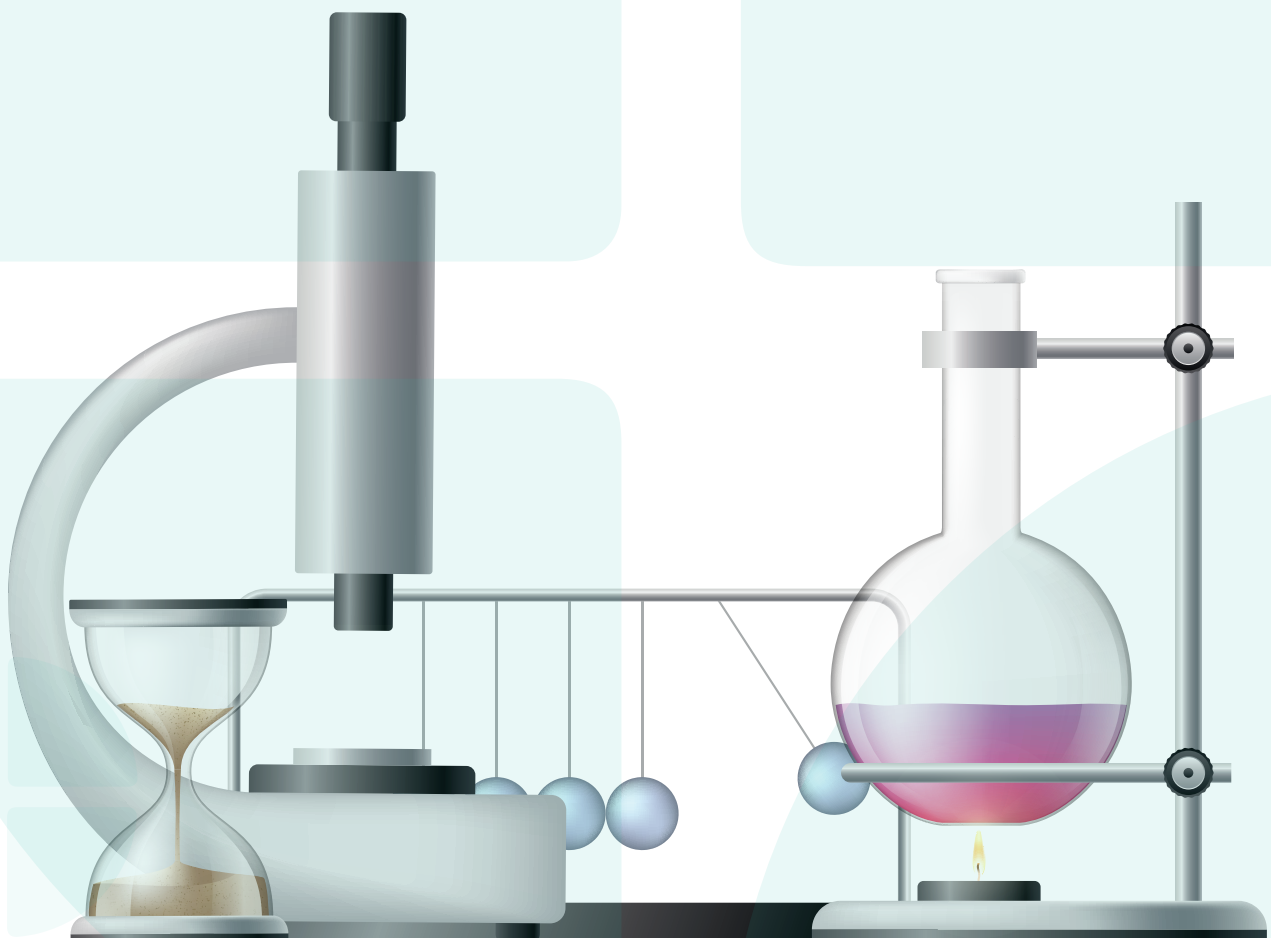


**Khosla Scientific  
Instruments**



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Our products can be categorized in three broad categories:

**Weighing  
Systems**

**Test &  
Measure**

**Lab Process  
Equipment**





Accuracy



Reliability



Efficient Service

### Our competitive advantage

#### Market Leadership

Contributing to major sales in the market

#### Brand Reputation

Over 50 years of parent brand establishment

#### Innovation

Advanced technological solutions

#### Diversification

Varied product range across India

#### Fast Delivery

Ready stock resulting in timely delivery

## Excellent performance for multiple industries

Sample Preparation

Quality Control

Material Inspection

For Research

**Pharmaceutical &  
Biotechnology**

**Food Industry**

**Jewellery**

**Electronics & IT**

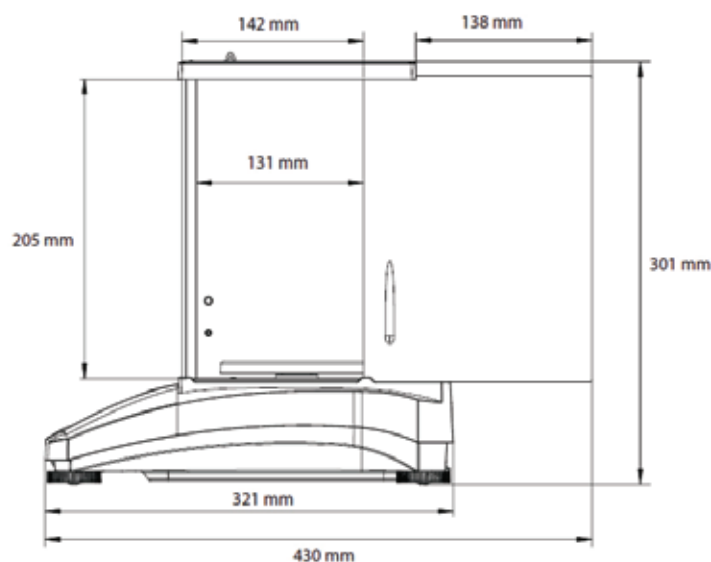
**Chemical Industry**

**Textile Industry**

# Semi-Micro Analytical Balance

Dual Scale 50/220 g -0.01/0.1 mg

**MODEL: MA-50D**



## FEATURES HIGHLIGHTS:

- Electro Magnetic Force Compensation
- Statistic Weighting
- Animal Weighting
- White Black Light LCD Display
- Percentage Weighting
- Multiple Weighing Units
- RS232C Interface
- Counting Weighting Mode
- Temperature
- Under-hook Weighting
- Calibration with Internal weight
- Time
- Date

```
ID      12345
2016/10/28 12:03
001+0100.0000 g
002+0100.0000 g
003+0100.0000 g
004+0100.0000 g
005+0100.0000 g
N      005
AVR +0500.0000 g
5      0000 000 g
MAX +0100.0000 g
MIN + 0100.0000 g
DIF   0000.0000 g
```

Print Out format

## **STANDARD ACCESSORIES:**

- Pan
- Pan support
- Draft Ring
- Power Cord
- User manual

## Semi-Micro Analytical Balance

**MODEL: MA-50D**

### SPECIFICATIONS:

Model	MA-50D
Make	Khosla Scientific
Max. (Capacity)	50/220g
Readability (d)	0.00001/0.0001g
Repeatability (+)	0.02/0.2mg
Linearity (±)	0.04 mg/0.4 mg
Minimum Load	1mg/10mg
Verification Scale Intervals (e)	1mg
Calibration	Motorized Internal Calibration
Class	Class I
Display	LCD with back light
Response Time	4-6 Sec
Pan size (mm)	90mm Ø
Tara Range	Full
Operating Temperature	+ 15°C to + 30°C
Sensitivity Drift +	2 ppm/°C
Density	Function Available
Data Output mode selection	Command & Continuous Output
Key sound	Yes
Weighing Chamber Height	210 mm
Unit	g, oz,ct, lb, ozt, dwt, GN
Application Mode	PCS, %, Weighting, Animal Weighing, Check Weighing, Density, Statistics Weighing
Baud rate options	1200, 2400, 4800, 9600
Interface	RS232C
Power supply	AC 220V/50-60 Hz
Dimension (L x W x H) mm	580x385x480
Weight	13kg

# Analytical Balance

0.0001g/0.1mg



## FEATURES HIGHLIGHTS:

- Electro Magnetic Force Compensation
- Under-hook Weighing
- Internal Auto Calibration
- LCD Display
- Multiple Weighing Units Tare
- RS232C Interface
- Counting Weighing Model
- Density Determination (Manual calculation)

## Analytical Balance

SPECIFICATIONS:		
Model	MA-220	MA-50D
Capacity	220g	320g
Make	Khosla Scientific	
Readability	0.0001g (0.1mg)	
Linearity	± 0.0003g	
Minimum Load	0.01g	
Display	LCD	
Pan Size	Ø 90 mm	
Response Time	4-6 sec	
Calibration	Internal Calibration	
Tare Range	Full	
Operating Temperature	15 to 30°C	
Operating Humidity	50-70% R.H	
Warm Up time	30 min	
Units	g, ct, ozt, oz, GN, dwt, lb, mg	
Key Sound	Yes	
Weighing Chamber Height	210 mm	
Baud Rate	1200, 2400, 4800, 9600	
Class	I	
Interface	RS-232C	
Date Output	Command & Continuous	
Power Supply	AC 220V/50 Hz	
Dimensions & Weight	220 x 360 x 345 mm & 9.5 kg	

**STANDARD:**

- Draft Ring
- Instruction Manual

**ACCESSORIES:**

- Pan
- Power Cord

## Analytical Balance

220g x 0.1mg (Economy)



### SALIENT FEATURES:

- Strong anti-shaking monolithic electromagnetic sensor
- 18 standard units, with character mark g, kg, ct, lb, oz, ozt, tlh, tls, GN, dwt, mg, /lb, tlc mom, tol, bat, MS
- In-built density weighing function
- Dynamic animal weighing function

### SPECIFICATIONS:

Model	MA-220X
Capacity	220g
Make	Galaxy
Readability	0.0001g (0.1mg)
Linearity	± 0.0003g
Minimum Load	0.01g
Display & Pan Size	LCD, Pan: Ø 90 mm
Response Time	4-6 sec
Calibration	External Calibration
Tare Range	Full
Warm Up time	30 min
Units	g, ct, ozt, oz, GN, dwt, lb & 11 more
Weighing Chamber Height	200 mm
Class	I
Interface	RS-232C
Power Supply	AC 220V/50 Hz
Dimensions & Weight	200 x 290 x 310 mm & 9.5 kg

### STANDARD ACCESSORIES:

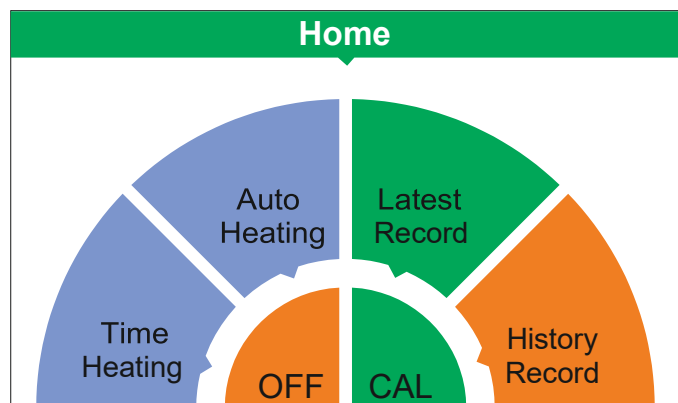
- Draft Ring
- Pan
- Power Cord
- Instruction Manual

# Moisture Analyser

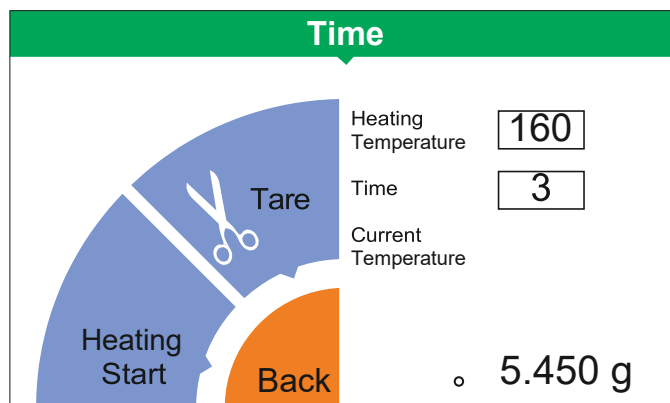
MODEL: MB-6800

Touchscreen - 100g x 0.001g

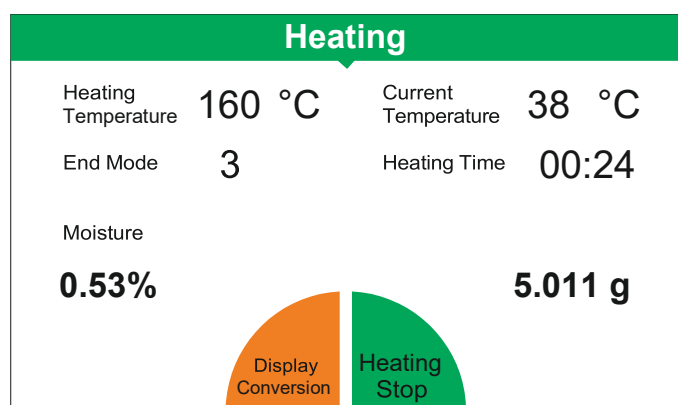
## Operation Method & Information on Screen



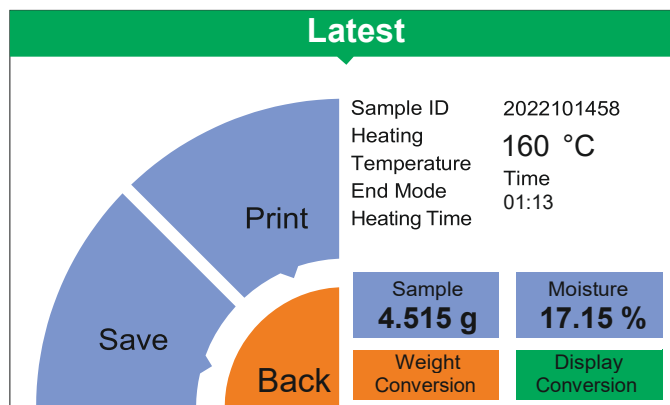
Home Screen



Settings Screen



In-operation Screen (Heating is ON)



Results Screen

In the result screen, "Sample box" shows the final weight after drying, to see the starting weigh before drying click on the weight conversion button.

By clicking on the display conversion we can see the solid weight, wet weight



Also it's very easy to clean up after the measurement. Just remove a single screw and you can disassemble the round tray as well as the steel platform. Gently clean off the debris and reinstall.

# Moisture Analyser

Touchscreen 100g x 0.001g

MODEL: MB-6800



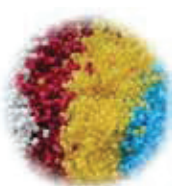
## SALIENT FEATURES:

- Intuitive touch screen
- Halogen Light heating
- Temperature & time can be set
- Stores up to 8 data records
- Automatically displays the percentage of slop
- Displays moisture %, dry %, heating time, heating temperature, weight
- Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature
- Loadcell sensor

MB-6800's halogen heating system distributes heat uniformly over the sample and speeds up the drying process delivering fast and precise measurements. Designed for tool-free cleaning, components can be easily removed for quick and easy maintenance. Operating the MB6800 is intuitive with the icon-driven menu navigation on the touchscreen display



Powder



Particles



Paste or liquid



Dairy



Meat



Pulp

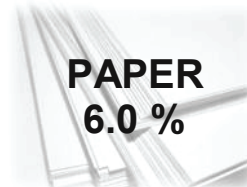
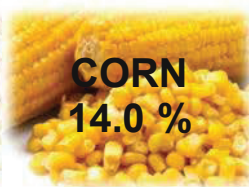
Different forms of samples can be measured:

- Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured

Various materials can be measured:

- Cereal, starch, flour, meat, dair products, soil, ore, chemicals, paper, pulp, cotton, paper, plastic, fibers, chemicals, pharma

Moisture % of a few common products



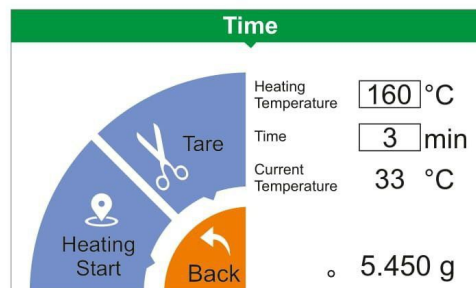


# Moisture Analyser

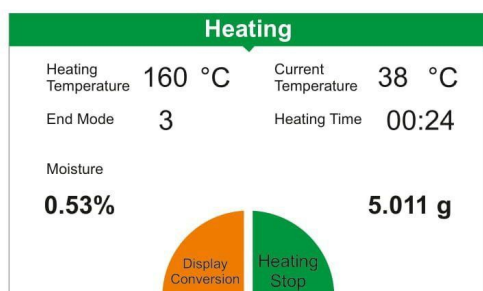
Touchscreen - 100g x 0.001g



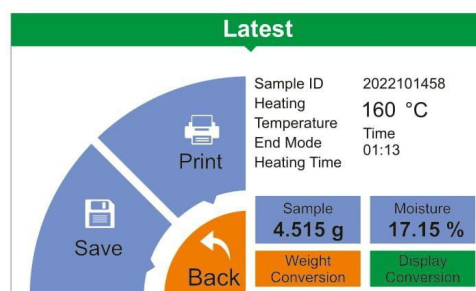
Home Screen



Settings Screen



In-operation Screen (Heating is ON)



Results Screen

In the result screen, "Sample box" shows the final weight after drying, to see the starting weight before drying click on the weight conversion button.

By clicking on the display conversion we can see the solid weight, wet weight



Also it's very easy to clean up after the measurement. Just remove a single screw and you can disassemble the round tray as well as the steel platform. Gently clean off the debris and reinstall

## SPECIFICATIONS:

Model	MB-6800
Make	Khosla Scientific
Moisture Range	0~100%
Moisture Resolution	0.02%- 0.1%(sample22g)
Moisture Accuracy	±0.5%
Capacity	100g
Readability	0.001 g (1 mg)
Repeatability	± 0.001 g
Linearity	± 0.002g
Minimum Load	0.01g
Display	Touchscreen
Pan Size	Ø 90 mm
Sensor	Loadcell
Calibration	External
Operating Temperature	5 to 35°C
Heating Source	Halogen Lamp
Analysis Method	Manual, timed, automatic
Temp. Sensor	PT100
Temp. Setting Range	60 to 200°C
Temp. Setting Resolution	1°C
Time Setting	0 to 99 mins
Steel Sample Pan	Yes
No. of Storage	8 memory
Power Supply	AC 220V/50 Hz
Dimensions & Weight	350 x 215 x 192 mm & 4.5 kg

## STANDARD ACCESSORIES:

- Standard Weight
- SS Pan
- Pan Holder
- Pan Lifter
- Adapter
- Instruction Manual



# Smart Moisture Analyser

Touchscreen - 120g x 0.001g



## SALIENT FEATURES:

- Intuitive touch screen
- Halogen Light heating
- Temperature & time can be set
- Stores 100 data records
- Real-time curve function helps to define appropriate test conditions for samples
- Sample library functions allows you to store up to 100 types of samples & it's drying conditions
- Automatically displays the percentage of slop
- Displays moisture %, dry %, heating time, heating temperature, weight

Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature

Analysis Method: Manual, Timed, Automatic

Different forms of samples can be measured:

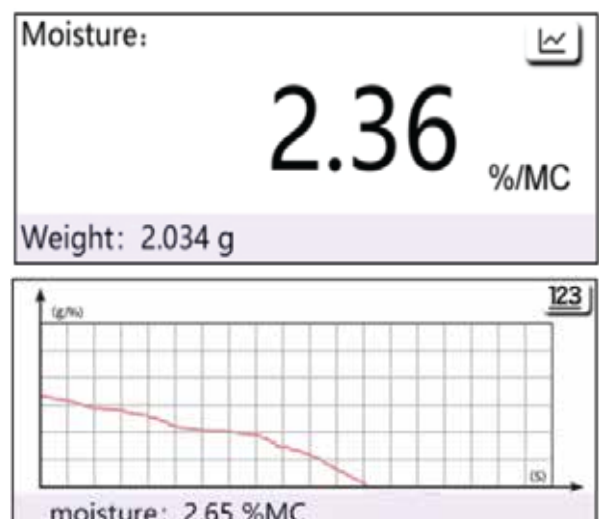
Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured German Load cell sensor

User management supports 5 users & Audit Trail

Drying Modes: Standard, Fast & Soft

Various materials can be measured:

Cereal, starch, flour, meat, dairy products, soil, ore, chemicals, paper, pulp, cotton, paper, plastic, fibers, chemicals, pharma



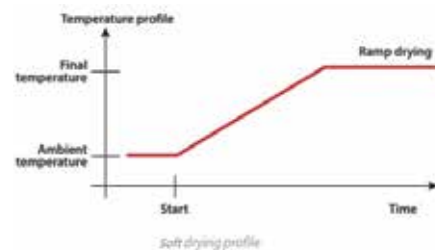
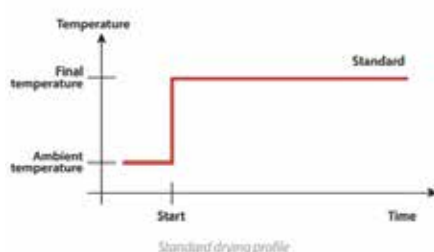
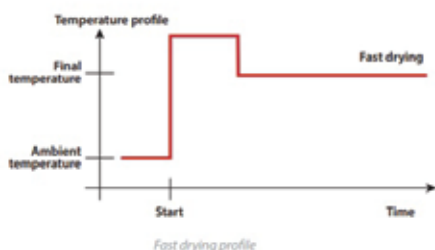
## SPECIFICATIONS:

Model	MB-7000
Make	Khosla Scientific
Moisture Range	0~100%
Moisture Resolution	0.02% ~ 0.2%(sample≥2g)
Moisture Accuracy	±0.2%
Capacity	120g
Readability	0.001 g (1 mg)
Repeatability & Linearity	± 0.001 g & ± 0.002g
Minimum Load	0.01g
Display & Pan Size	5" Touchscreen, Ø 90 mm
Sensor & Calibration	German Loadcell, External
Operating Temperature	5 to 35°C
Heating Source	Halogen Lamp
Analysis Method	Manual, Timed, Automatic
Temp. Sensor	PT100
Temp. Setting Range	60 to 200°C
Temp. Setting Resolution	1°C
Time Setting	2 to 100 mins
Sample Library	Yes, 100 sample methods
Drying Modes	Standard, Fast & Soft
Data Output	RS-232 and USB-A
No. of Storage	100 memory
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	350 x 215 x 192 mm & 4.5 kg

## STANDARD

## ACCESSORIES:

- Standard Weight
- Pan
- Pan Holder
- Pan Lifter
- Touch pen
- Adapter
- Instruction Manual



Drying Modes: Standard, Fast & Soft allows Mb7000 to optimize to enhanced drying conditions and shorten runtime while minimizing sample decomposition or change in chemical structure, ultimately improving testing accuracy and reproducibility.

# Advanced Moisture Analyser

E.M.F.C Based 60g x 0.0001g

MODEL: MB-60



## SALIENT FEATURES:

- Based on E.M.F.C Technology
- High accuracy for very dry samples
- Halogen heating system
- Automatically displays the percentage of moisture
- Displays moisture %, heating time & heating temperature
- Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature

## SPECIFICATIONS:

Model	MB-60
Make	Khosla Scientific
Moisture Range	0~100%
Moisture Resolution & Accuracy	R:0.001%, A: ±0.05%
Capacity	60g
Readability	0.0001 g (0.1 mg)
Repeatability	± 0.005 g
Suggested Min Sample	5 g
Pan Size & Sensor	Ø 90 mm & E.M.F.C
Operating Temperature	10 to 40°C
Heating Source	Halogen Lamp
Analysis Method	Manual, timed, automatic
Temp. Setting Range	60 to 200°C (Interval=1°C)
Time Setting	1 to 99 mins (Interval=1 min)
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	330 × 200 × 155 mm & 6.5 kg

MB60's halogen heating system distributes heat uniformly over the sample and speeds up the drying process; delivering fast and precise measurements.

## STANDARD

## ACCESSORIES:

- Aluminium Pan
- Pan Holder
- Pan Lifter
- Adapter
- Instruction Manual

# Analytical Balance

1mg (EMFC) Professional Balance



## FEATURES HIGHLIGHTS:

- Electro Magnetic Force Compensation
- Under-hook Weighing
- Internal Auto Calibration
- LCD Display
- Multiple Weighing Units
- Tare
- RS232C Interface
- Counting Weighing Model
- Density Determination (Manual calculation)

**SPECIFICATIONS:**

Model	MA-201	MA-501	MA-1001
Capacity	220g	520g	1000g
Make	Khosla Scientific		
Readability	0.001g (1mg)		
Linearity	± 0.002g		
Minimum Load	0.1 g		
Display	LCD		
Pan Size	Ø 90 mm	Ø 90 mm	Ø 120 mm
Response Time	4 ~ 5 sec		
Calibration	Internal		
Tare Range	Full		
Operating Temperature	15 to 35°C		
Operating Humidity	40~ 80% R.H		
Warm Up time	30 min		
Units	mg, g, ct, ozt, oz, GN, dwt, lb		
Key Sound	Yes		
Weighing Chamber Height	195 mm		
Baud Rate	600, 1200, 2400, 4800, 9600		
Class	I		
Interface	RS232C		
Date Output	Command and continuous output		
Power Supply	AC 220V / 50 Hz		
Dimensions & Weight	220 x 360 x 345 mm & 10 kg		

**STANDARD**

- Draft Ring
- Power Cord

**ACCESSORIES:**

- Pan
- Instruction Manual



# Precision Balance

300g x 1mg (0.001g)



MODEL: PG-300, PG-500



MODEL: PG-300S

## SPECIFICATIONS:

Model	PG-300	PG-500	PG-300S
Make	Khosla Scientific	Khosla Scientific	Khosla Scientific
Capacity	300 g	500 g	300 g
Readability	0.001g (1mg)	0.001g (1mg)	0.001g (1mg)
Repeatability	0.001 g	0.001 g	0.001 g
Linearity	0.002 g	0.002 g	0.002 g
Pan Size	Ø 90 mm	Ø 90 mm	Ø 90 mm
Response Time	3 - 4 sec	3 - 4 sec	3 - 4 sec
Calibration	External	External	External
Display	Backlight LCD	Backlight LCD	LED
Tare Range	Full	Full	Full
Operating Temperature	10 to 40°C	10 to 40°C	10 to 40°C
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz	AC 220V / 50Hz
Dimensions	325 x 300 x 225	325 x 300 x 225	190 x 240 x 100
Weight	4 kg	4 kg	3 kg

**ACCESSORIES:** • Standard Weight • Adapter



# Precision Balance

220g x 0.1mg (Economy)



## SALIENT FEATURES:

- Green LED Display
- Front & Back display
- With Rs232 data output
- Removable glass windshield
- Low battery indicator
- In-built rechargeable battery for continuous use
- Piece counting & percentage function
- Multiple weighing units
- Auto zero tracking

## SPECIFICATIONS:

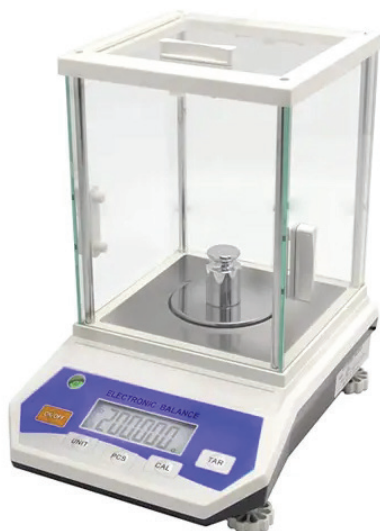
Model	PG-620	PG-1050
Make	Khosla Scientific	
Capacity	620 g	1050 g
Resolution	0.01 g	
Repeatability	±0.01	
Linearity	± 0.02	
Calibration	External Calibration	
Pan Size	Ø 120 mm	
Tare Range	Full	
Operating Temp.	10 to 40°C	
Display	Green LED (Front & back display)	
Response Time	3-4 secs	
Units	g, ct, oz, dwt	
Battery Backup	In-built	
Dimensions	190 x 240 x 100	
Weight	3 kg	

## ACCESSORIES:

- Windshield Set
- Pan
- Instruction Manual
- Adapter

## Precision Balance

300g x 1mg (0.001g)



**MODEL: PG-300, PG-500**



**MODEL: PG-300S**

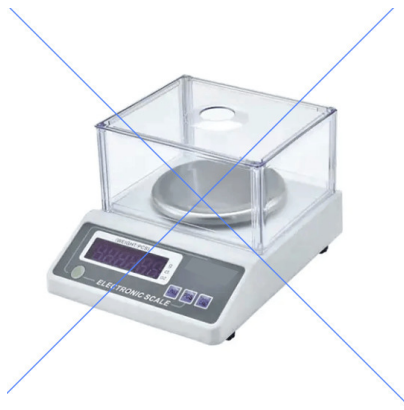
### SPECIFICATIONS:

Model	PG-300	PG-500	PG-300S
Make	Khosla Scientific	Khosla Scientific	Khosla Scientific
Capacity	300 g	500 g	300 g
Readability	0.001g (1mg)	0.001g (1mg)	0.001g (1mg)
Repeatability	0.001 g	0.001 g	0.001 g
Linearity	0.002 g	0.002 g	0.002 g
Pan Size	Ø 90 mm	Ø 90 mm	Ø 90 mm
Response Time	3 - 4 sec	3 - 4 sec	3 - 4 sec
Calibration	External	External	External
Display	Backlight LCD	Backlight LCD	LED
Tare Range	Full	Full	Full
Operating Temperature	10 to 40°C	10 to 40°C	10 to 40°C
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz	AC 220V / 50Hz
Dimensions	325 x 300 x 225	325 x 300 x 225	190 x 240 x 100
Weight	4 kg	4 kg	3 kg

**ACCESSORIES:** • Standard Weight • Adapter

## Precision Balance

(Economy)



This is a stable & accurate 0.01g (10mg) precision weighing balance. With inbuilt battery & standard weights it is an ideal choice for every workplace

**ACCESSORIES:** Standard Weight. Adapter

### SPECIFICATIONS: PG-600 & PG-1000

Specification	PG-600	PG-1000
Make	Khosla Scientific	Khosla Scientific
Capacity	600 g	1000 g
Resolution	0.01 g	0.01 g
Calibration	External	External
Pan Size	Ø 128 mm	Ø 128 mm
Display	LED	LED
Response Time	3-4 secs	3-4 secs
Units	g, ct, oz	g, ct, oz
Battery Backup	In-built	In-built
Dimensions	190 x 240 x 100	190 x 240 x 100
Weight	3 kg	3 kg

## Precision Balance

### SPECIFICATIONS: PG-10000, PG-3000 & PG-5000



PG-10000, PG-5000



PG-3000

Specification	PG-10000	PG-3000	PG-5000
Make	Khosla Scientific	Khosla Scientific	Khosla Scientific
Capacity	10000 g	3000 g	5000 g
Resolution	0.1 g	0.01 g	0.01 g
Repeatability	± 0.1 g	± 0.01 g	± 0.01 g
Linearity	± 0.2 g	± 0.02 g	± 0.02 g
Calibration	External	External	External
Pan Size	145 x 175 mm	Ø 130 mm	Ø 130 mm
Display	LCD	LCD	LCD
Response Time	3-4 secs	3-4 secs	3-4 secs
Units	g, ct, oz	g, ct, oz	g, ct, oz
Battery Backup	In-built	In-built	In-built
Dimensions	205 x 272 x 163 mm	205 x 272 x 163 mm	205 x 272 x 163 mm
Weight	3 kg	3 kg	3 kg

**ACCESSORIES:** Standard Weight Adapter

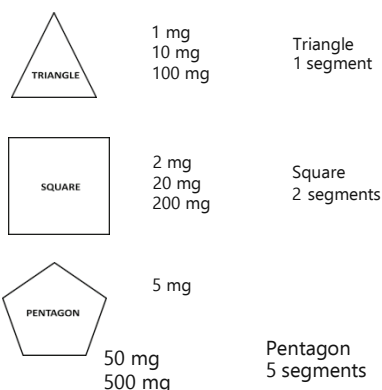
# Optima Instrument

## Standard Weight Set as per OIML R111



Configuration: 200g x 2, 100g x 1, 50g x 1, 20g x 2,  
10g x 1, 5g x 1, 2g x 2, 1g x 1,  
500mg x 1, 200mg x 2, 100mg x 1,  
50mg x 1, 20mg x 2, 10mg x 1,  
5mg x 1, 2mg x 2, 1mg x 1

### SHAPES OF MILLIGRAM WEIGHTS:



### SPECIFICATIONS:

Model	WS-E1-200	WS-E2-200	WS-F1-200
Class	E1	E2	F1
Standard	OIML R111		
Material	Austenitic Stainless Steel	316 Stainless Steel	304 Stainless Steel
Construction	Solid single piece fabrication		1 or 2 pieces
Cavity	No cavity adjustment		May contain
Density	8.00g/cm <sup>3</sup>	7.96g/cm <sup>3</sup>	7.9g/cm <sup>3</sup>
Magnetic Susceptibility	<0.005	<0.005	<0.05
Intensity of polarization	<2.5 $\mu$ T	<8 $\mu$ T	<25 $\mu$ T
Shape	Cylindrical with knob		
Finish	Mirror Polish		
Packing	ABS & Aluminum box		
Accessories	Tweezer, Brush, Cloth, Glove		

## Printer for weighing scales

GLP, GMP compliant

**MODEL: TX-110**



### SALIENT FEATURES:

- 128x64 OLED Display
- Data & Time (in-built clock)
- Weighing Mode, Statistical Mode
- Sum mode, mean mode & formulation mode
- Sample name & ID input
- Authority Management
- Periodic printing & Editable title & tail
- Sample name and batch number can be inputted and printed.
- Printing method: Impact dot
- Inking: Ink ribbon: EPSON ERC-22 or ERC-09
- Printing format: 24 digits/line
- Character size: 1.7x 2.6 mm
- Paper: Regular 57.5mm width
- Interface: RS-232C
- Power Source: DC 12V (1.5A)
- Gross weight: 500g approx.

```

-----
AND
Model:      HR120
S/N:       D23452456
ID:        1234
Date:      2014-03-28
Start Time: 17:30:22
Sample No. 00000000543

001 17:30:22 10.003 mg
002 17:30:25 10.004 mg
003 17:30:26 10.005 mg

End Time:   17:30:28

Signature:
-----
  
```

```

-----
Shimadzu Corporation
Model:      AUW120D
S/N:       D684297070
ID:        61100
Date:      2013-10-01
Time:      16:37:09
Sample No. 00000000247

Tare:      10.001 mg
Gross:     10.002 mg
Net:       0.001 mg

End Time:   16:37:10

Signature:
-----
  
```

```

-----<STAT>-----
No.001      10.006 mg
No.002      10.007 mg
No.003      10.008 mg
-----<RESULT>-----
N=           3
T=          30.021 mg
MAX=        10.008 mg
MIN=        10.006 mg
RNG=         0.002 mg
MEAN=       10.0070 mg
SD=         0.001000 mg
CV=         0.009993005 %

End Time:    16:40:46

Signature:
-----
  
```

```

-----<STAT>-----
No.001      10.006 mg
No.002      10.007 mg
No.003      10.008 mg
-----<RESULT>-----
N=           3
T=          30.021 mg
MAX=        10.008 mg
MIN=        10.006 mg
RNG=         0.002 mg
MEAN=       10.0070 mg
SD=         0.001000 mg
CV=         0.009993005 %

End Time:    16:40:46

Signature:
-----
  
```

## PH Meter Economy

Microprocessor based



- Manual Temperature Compensation
- Large LCD display with blue backlight.
- Simultaneously displays pH & Temperature.
- Smart functions for calibration, data storage
- Automatically displays the percentage of slope after calibration is over
- Equipped with electrode holder, calibration powder & electrode

### **SPECIFICATIONS:**

Model	PH-3M
Make	Khosla Scientific
Range	0 to 14.00 pH
pH Resolution	0.1 pH/ 0.01 pH
Accuracy	± 0.01 pH
Calibration Points	up to 3 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01)
mV Range	± 1999 mV
Accuracy	± 1% FS ±1 digit
Resolution	1 mV
Temperature Range	0 to 100°C
Accuracy	± 0.5°C
Resolution	0.1°C
Temperature Compensation	0 to 100°C, Manual
Connector	BNC
Display	Backlight LCD
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	160 x 190 x 170 mm, 750g

### STANDARD

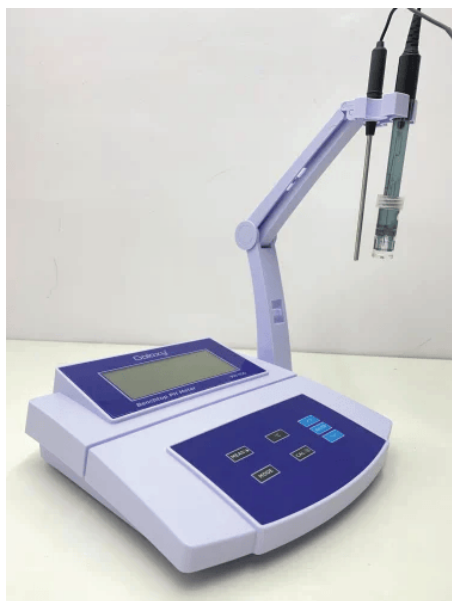
### ACCESSORIES:

- pH Electrode
- pH Buffer
- Electrode Stand
- Adapter
- Instruction Manual



## pH Meter 3 Point

Microprocessor based



### Salient Features

Large back light LCD display shows mode indicator pH value, temperature

Up to 3 point push-button calibration with automatic buffer recognition

Selectable pH buffer standards and temperature units

Automatically calculates and display electrode slope after calibration

Automatic temperature compensation (ATC) ensure highly accurate measurements over the entire range

Automatic endpoint function freezes the stable measured value

Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, auto-power off, etc.

Reset function can resumes all setting to factory default value

Galaxy PH-100 is an easy-to-use benchtop pH meter designed for daily testing and quality control.

This meter has a clear and bright back light LCD display that show the measured pH value, temperature and mode indicators.

## SPECIFICATIONS: Galaxy PH-100

Specification	Details
Model	PH-100
Make	Khosla Scientific
Range	-2.0 to 16.00 pH
pH Resolution	0.01 pH
Accuracy	± 0.01 pH
Calibration Points	up to 3 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01) or NIST
mV Range	± 1999 mV
Accuracy (mV)	± 1% FS ±1 digit
Resolution (mV)	1 mV
Temperature Range	0 to 105°C
Accuracy (Temperature)	± 0.5°C
Resolution (Temperature)	0.1°C
Temperature Compensation	0 to 100°C, Manual/Automatic
Hold Function	Available
Auto Off Function	Available
Connector	BNC
Display	Backlight LCD
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	210 x 205 x 75 mm, 1.5kg

### FEW APPLICATIONS:

Research & Education  
Water & effluent control  
Environmental & Agricultural  
monitoring  
Drinking water  
All other industrial applica-  
tion

### STANDARD ACCESSORIES:

pH Electrode  
Temp. Probe  
pH Buffer  
Electrode Stand  
Adapter  
Instruction Manual



## TDS & Conductivity Meter 3 Point

Microprocessor based



Automatic endpoint function freezes the stable measured value

Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.

Reset function can resume all settings to factory default value

### SALIENT FEATURES:

Large back light LCD display shows mode indicator, TDS or EC value, temperature

Up to 3 point push-button calibration with automatic buffer recognition

Auto-ranging for conductivity & TDS measurements

Selectable TDS conversion factors & temperature units ( $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ )

Adjustable TDS factors, cell constants & temperature units

Automatic temperature compensation (ATC) ensure highly accurate measurements over the entire range

Automatic endpoint function freezes the stable measured value

Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.

Reset function can resume all settings to factory default value

TDS-100 is an auto-ranging microprocessor Conductivity/TDS Meter for measuring the conductivity & TDS of liquids. It is widely used in environmental & ecological studies for monitoring the purity and concentration of liquids.

## SPECIFICATIONS: PH-100

Specification	Details
Model	PH-100
Make	Khosla Scientific
Range	-2 to 16.00 pH
pH Resolution	0.01 pH
Accuracy	± 0.01 pH
Calibration Points	up to 3 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01) or NIST
mV Range	± 1999 mV
Accuracy (mV)	± 1% FS ± 1 digit
Resolution (mV)	1 mV
Temperature Range	0 to 105°C
Accuracy (Temp)	± 0.5°C
Resolution (Temp)	0.1°C
Temperature Compensation	0 to 100°C, Manual/Automatic
Hold Function	Available
Auto Off Function	Available
Connector	BNC
Display	Backlight LCD
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	210 x 205 x 75 mm, 1.5kg

## pH Meter with Printer

5 point calibration



### SALIENT FEATURES:

pH:

- Up to 5 point push button calibration with automatic buffer recognition
- Selectable pH buffer standards and temperature units.
- Automatic buffer recognition & electrode diagnosis

ORP:

- 1 point offset calibration allows adjusting the value to a known standard
- Relative & absolute millivolt modes ensure reliable ORP measurement

### General

- Automatic temperature compensation (ATC) ensure highly accurate measurements over the entire range.
- Automatic endpoint function senses & freezes the stable measured value
- Interval readings data can be transferred to PC or printer
- Selectable high/low alarm automatically alerts when reading exceeds the specified range
- Password protection prevents unauthorized calibration & settings
- Can store & recall upto 1000 sets of data
- Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, auto-power off, etc total of 16 options.
- 7" Large interactive colorful display user friendly control options
- Built-in real time clock stamps & stores data to meet GLP standards
- Easy printing of "pH Analysis Report", "PH Calibration Report" & "pH Data Report"

Measurement Screen

Includes 16 settings

Calibration Screen

### SPECIFICATIONS:

Model		TOS-100
pH	Make	Khosla Scientific
	Range	2.000 to 20.000 PH
	PH Resolution	0.001/0.01 pH, selectable
	Accuracy	± 0.002 pH
	Calibration Points	up to 5 points
ORP	pH Buffer options	USA (pH 4.01, 7.00, 10.01) or NIST/DIN/ Custom User Defined
	mV Range	+ 2000 mV
	Accuracy & Resolution	± 0.2 mV & Resolution: 0.1 mV
	Temperature Range	0 to 105°C
	Accuracy	±0.5°C
Temperature	Resolution	0.1°C/°F
	Temperature Compensation	0 to 100°C, Manual/Automatic
	Input Impedance & Stability	<10 Ω & Stability: Standard or high-accuracy
	Calibration Due Alarm	1 to 31 days or off
	Password Protecion	Yes, 4 Digit
Memory & Connector		1000 data sets & BNC Connector
Power		DC9v, AC220v, 50Hz
Dimensions & Weight		240 x 220 x 80 mm, 1.7kg

**STANDARD**      • pH Meter      • Temp. Probe      • Electrode Stand      • Adapter  
**ACCESSORIES:**      • pH Electrode      • pH Buffer      • Thermal Printer      • Instruction Manuall

User can print 3 types of reports, as follows

## Water Quality Multi-parameter Tester

**MODEL: GMP-30**

Microprocessor based



### 7 in 1 Unique Machine:

- pH
- ORP (mV)
- Conductivity TDS
- Salinity
- Resistivity
- Temperature(°C)

### SALIENT FEATURES

- **PH MODE:** Up to 5 points push-button calibration with auto-buffer recognition. Selectable pH buffer Standards (USA, DIN, NIST). Automatically calculates and displays electrode slope that helps you decide whether to replace pH electrode. Calibration due reminder prompts you in calibration the meter regularly.
- **ORP MODE:** Absolute or Relative mV measurements provide accurate ORP measured value. 1 point offset calibration allows user to adjust displayed to a known standard.
- **CONDUCTIVITY/TDS/SALINITY/RESISTIVITY MODE:** Up to 5-point push button calibration allows user to use customized calibration solutions. Default 105, 8445, 141305, 12.88mS and 111.5)

Adjustable TDS conversion factor, cell constant, temperature coefficients and normalization in temperature (20°C or 25°C). Allows user to select either of pure water temperature compensation modes. In salinity measurement modes, Selectable practical salinity (PSU) or seawater measurements standards. (ppt)

- Selectable either temperature units between degree Celsius (°C) and degree Fahrenheit (F)
- Automatic temperature Compensation (ATS) ensure high accuracy of measurements...
- Automatic endpoint function freezes the stable measured value for easy reading and recording data.
- Help message as a operational guide to helps you understand how to use meter
- Setup menu lets users customize the calibration points stability condition of measurements, temp
- units and date/time to meet personal preference
- Reset function allows user to return all setting to the factory default value.
- Expanded memory stores and recalls upto 500 readings.
- Built-in real time clock stamp stored data to meet GLP standards.

## **STANDARD**

### **ACCESSORIES:**

- pH Electrode
- Temp. Probe
- Conductivity Cell (10)
- pH Buffer
- Electrode Stand
- Adapter
- Instruction Manual

## SPECIFICATIONS:

Model		GMP-30
Make		Khosla Scientific
pH	PH range	-2.000-20.000 PH
	Resolution	0.001,0.01,0.01pH, Selectable
	Accuracy & Calibration Points	±0.002 pH & up to 5 points
	pH buffer Option	USA, (pH 1.68, 4.01, 7.00, 10.01, 12.45)
		NIST (pH 1.68/4.01/6.86/9.18/12.45)
mV/ORP		DIN (pH 1.09, 4.65, 6.79, 9.23, 12.75)
	ORP (mV) Range/Calibration	0-±1999.9 mV/1 point
	Resolution & Accuracy	0.1,/1mV Selectable & ±0.2 mV
Conductivity	Measuring Mode	Absolute mV or Relative mV
	Conductivity Range	0-200mS/cm
	Resolution & Accuracy	0.01/0.1/1 & ±0.5% F Full Scale
	Cell Constant	0.01/1/10 user defined
	Temperature Coefficient	0.0-10.0% per °C
	Calibration Points	Up to 5 point
	Calibration Solution	10µS/cm, 48µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Compensation Modes	Linear or pure water
	TDS Range	0-10ppt (Max. 200ppt, Depending on factor setting
	Resolution & Accuracy	0.01/0.1/1 & ± 1% Full Scale
	TDS Factor	0.0-1.0
Salinity	Salinity Range	0-80ppt
	Resolution & Accuracy	0.01/0.1/1 & ± 1% Full Scale
	Measurement Mode	Practical Salinity (PSU) or Seawater Measurement Standard (ppt
Resistivity	Resistivity Range	0-100MΩ
	Resolution & Accuracy	1/0.1/0.01 & ± 1% Full size
Temperature	Temp. Range	0-100 °C, /32-212°F
	Temp. Compensation	Automatic or Manual
	Temp. Accuracy	± 0.5 °C, ±0.9 °F
Dimensions & Weight		210 x 188 x 60mm & 1.2kg

### STANDARD

- pH Electrode

- Conductivity Cell (1.0)

- Electrode Instruction

### ACCESSORIES:

- Temp. Probe

- pH Buffer (4.01, 7.00, 10.01)

- Instruction

# Water Quality Multi-parameter Tester with Printer

Microprocessor based

MODEL: GMP-30P



It is same as GMP-30 but with compatible & configured printer  
Press the 'ENTER' key to simply print the measured data

Printout format is as below:

<b>Report</b> Measure: 7.917 pH Temperature: 25.0 Date: 02-07-2023 Time: 15:51:04 Sample: Signature:	<b>Report</b> Measure: 1287 ppm Temperature: 25.0 Date: 02-07-2023 Time: 15:51:04 Sample: Signature:	<b>Report</b> Measure: 16 $\mu$ S/cm Temperature: 25.0 Date: 02-07-2023 Time: 15:51:04 Sample: Signature:	<b>Report</b> Measure: 13 M $\Omega$ Temperature: 25.0 Date: 02-07-2023 Time: 15:51:04 Sample: Signature:	<b>Report</b> Measure: 14 ppt Temperature: 25.0 Date: 02-07-2023 Time: 15:51:04 Sample: Signature:
<b>pH</b>	<b>TDS</b>	<b>Conductivity</b>	<b>Resistivity</b>	<b>Salinity</b>



## pH Meter 5 point + ION Meter

Microprocessor based



4 in 1 Unique Machine:

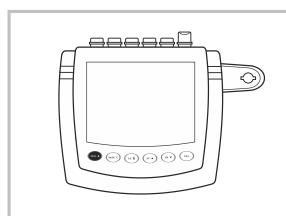
- pH ( 5 point CAL)
- ION
- ORP (mV)
- Temperature(°C)

PH-500 is a high accuracy machine used for measuring ION concentration, ORP, pH & Temperature.

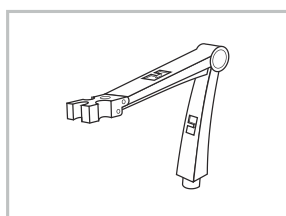
### SALIENT FEATURES:

- During the pH mode, up to 5 point auto calibration with push-button calibration
- Selectable pH Standard & Temp. units
- Automatically calculates & displays electrode slope
- In ION mode, 2 to 5 point calibration from low to high concentrations
- Direct ION readout
- Automatic Temperature Compensation(ATC) ensures high accuracy
- Automatic endpoint function freezes the measured value for easy reading and recording the data
- Calibration due reminder prompts to calibrate the meter regularly
- Setup menu lets user customize buffer standards, calibration points, stability conditions, resolution, measurement units, date & time
- Reset function can resume all settings to factory default values
- Built-in real time clock stamps stored data to meet GLP standards
- Exanded memory stores & recalls upto 500 readings

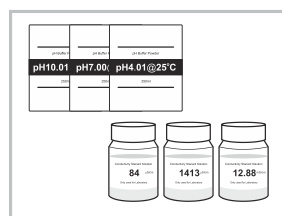
Model		PH-500
Make		Galaxy
pH	pH range	-2.000~20.000 pH
	Resolution	0.001,0.01,0.01pH, Selectable
	Accuracy & Calibration Points	±0.002 pH & up to 5 points
	pH buffer Option	USA,(pH 1.68, 4.01, 7.00 , 10.01, 12.45)
		NIST (pH 1.68/4.01/6.86/9.18/12.45)
ION		DIN (pH 1.09, 4.65, 6.79, 9.23, 12.75) or user defined
	ION Concentration Range	0.001~19999 ppm, mol/L (selectable depending on range of ISE)
	ION Concentration Accuracy	±0.5% F.S (monovalent), ±1% F.S (divalent)
	ION Resolution	0.001, 0.01, 0.1, 1
mV/ORP	Calibration Points	up to 5 points
	ORP (mV) Range/Calibration	0~±1999.9 mV/ 1 point
	Resolution & Accuracy	0.1,/1mV Selectable & ±0.2 mV
	Measuring Mode	Absolute mV or Relative mV
Temp.	Temp. Range & Resolution	ATC 0~105 °C, /32~212°F & 0.1 °C
	Temp. Accuracy	± 0.5 °C, ±0.9 °F
	Memory	500 data sets with date & time
	Stability Condition	Low or High, selectable
	Calibration Reminder	1 to 31 days or OFF
	Power Source	DC 5V adapter, AC 220V
Dimensions		210 x 188 x 60 mm & 1.2kg



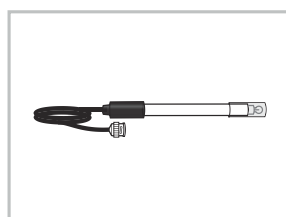
Main Instrument



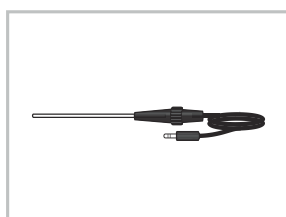
Electrode Holder Stand



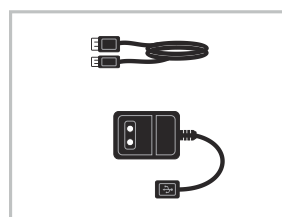
Standard Buffers



pH Electrode



Temperature Probe



Power Adapter & USB Cable

### STANDARD ACCESSORIES:

- pH Electrode
- Temp. Probe
- pH Buffer
- Electrode Stand
- Adapter
- Instruction Manual

## Dissolved Oxygen (DO) Meter

Microprocessor based

**MODEL: DO-980**



### SALIENT FEATURES:

- 1 or 2 points auto-calibration (100% in saturated air or air saturated water, 0% in zero oxygen solution).
- Automatically compensates salinity and barometric pressure after manual input.
- Selectable readout in ppm, mg/L or % saturation.,
- Selectable temperature units : °C & °F
- Automatic temperature compensation ensure high accuracy of measurement.
- Automatic endpoint function freeze the stable measured values for easy reading and recording data.
- Calibration due reminder prompts you to calibrate the meter regularly.
- Help message as an operational guide to help you understand how to use meter
- Setup menu lets user customize calibration point, resolution, stability condition of measurements, temperature unit, date / time to meet personal preferences.
- Expanded memory stores and recalls up to 500 readings
- Built-in real-time clock stamps stored data to meet GLP standards

### SPECIFICATIONS:

Model	DO-980
Dissolved Oxygen range	0.00~20.00 mg/L or ppm
Resolution	0.1, 0.01 ppm (selectable)
Accuracy	±0.2 mg/L or ppm
Saturation of Oxygen	0.0 ~ 200.0 %
Accuracy	±2.0%
Temperature Range & Accuracy	0.0 ~ 50.0°C & ± 0.5°C
Temperature Compensation	0~50°C, Automatic
Salinity Correction	0 ~ 50g/L
Barometric pressure correction	60.0 ~ 112.5kPa , 450~850 mmHg
Calibration Point	1 or 2 points (100% in air or 0% in zero oxygen solution)
Memory	500 data set with data & time
Power Supply	DC 5V adapter ,using AC 220V / 50HZ
Dimensions L x W x H (mm) & Weight	210 X 188 X 60 & 1.2 kg

## Accessories for Electrochemical Testers

### pH Electrode



Model	PE-4
Range	0~14 pH
Temp. Range	0~60°C
Reference	AgCl
Body & Connector	Plastic, BNC
Dimensions	12(ø) x 150(L)mm

### pH Electrode (suitable for 5 point)



Model	PE-5
Range	0~14 pH
Temp. Range	0~100°C
Reference	AgCl
Body & Connector	Glass, BNC
Dimensions	12(ø) x 150(L)mm

### TDS/Conductivity Cell



Model	CON-1	CON-10	CON-0.1	CON-1-3P
Range	10 µS/cm to 20 mS/cm	0.1 to 200 mS/cm	0 to 100 µS/cm	10 µS/cm to 20 mS/cm
Cell Constant	K=1	K=10	K=0.1	K=1
Material	Platinum sensor, glass body			
Temp. Range	0 to 80°C	0 to 80°C	0 to 80°C	0 to 80°C
Connector	6-pin mini-DIN	6-pin mini-DIN	6-pin mini-DIN	3-pin mini-DIN
Dimensions	12(ø) x 150(L)mm	12(ø) x 150(L)mm	12(ø) x 150(L)mm	12(ø) x 150(L)mm

### Dissolved Oxygen Probe



Model	DO-1
Range	0~20mg/L
Sensor	Polarographic
Temp.	0~50°C
Connector	6-pin mini-DIN
Dimensions	12(ø) x 150(L)mm

### Temperature Probe



Model	TP-10K
Temp. Range	0 to 105°C
Sensor	NTC 10 KΩ
Body	S. steel and plastic
Connector	3.5 mm jack plug
Dimensions	120 × 3(Ø) mm

## Turbidity Meter

with TSS measuring mode

**MODEL: TB-200**



Turbidity is the cloudiness or haziness of a fluid caused by large numbers of individual particles that may or may not be visible to the naked eye.

### SALIENT FEATURES:

- 2 to 7 points calibration using the Formazin Standards
- Selectable 4 turbidity units - NTU, FNU, EBC and ASBC
- TSS conversion factor ensures the accurate measurement of the total suspended solids.
- Auto-Read function senses and locks a stable reading
- Setup menu allows setting the date and time, measurement mode, resolution etc
- Password protection prevents the unauthorized calibration and settings

### SPECIFICATIONS:

Model	TB-200
Make	Khosla Scientific
Turbidity Range	0~2000 NTU, 0~ 500 EBC, 0~ 9999 ASBC
Turbidity Resolution	0.01 (0~99NTU), 0.1(100~999NTU), 1(1000~2000NTU)
Turbidity Accuracy	±2% of reading (0~500NTU), ±3% of reading (501~2000NTU)
Calibration Points	2 to 7 points
Calibration Standards	0.02, 10, 200, 500, 1000, 1500, 2000 NTU
TSS Range	Depending on the TSS conversion factor
TSS Accuracy	3% of reading
Light Source	Infrared-emitting diode (850nm)
Detector	Silicon Photodiode
Stray Light	< 0.02 NTU
Sample Vial	60(H) x 25(dia) mm
Memory & Data Output	200 data sets & USB Data output
Operating Temperature	0~50°C
Display	4.5 inches TFT LCD
Power Supply	DC12V Power Adapter
Dimensions & Weight	250 x 177 x 96 mm & 1.2 kg

### STANDARD ACCESSORIES:

- Adapter
- Sample Vial
- Instruction Manual
- Standard Solution

## Digital Abbe Refractometer

**MODEL: WYA-2S**



### SALIENT FEATURES:

- Measurement of refractive index nD of transparent or translucent liquid and solid substance
- Measurement of brix % of sugar solutions
- Prism made of hard glass.
- Visual aim and LCD display
- Automatic correction of the effect of temperature on the brix (Automatic Temp. Compensation)
- Printer interface for direct data print-out

This instrument is widely used in petroleum, chemical, pharmaceutical, sugar, refining and food industries. WYA-2S also has wide scope of use in related colleges, universities & scientific research institutions for measuring the refractive index nD of transparent, sub-transparent liquid or solid substance. The instruments can also be used to measure the Brix % of the sugar solution, and correct the effect of temperature on the brix automatically.

### SPECIFICATIONS:

Model	WYA-2S
Make	Khosla Scientific
Measurement range refractive index nD	1.3000-1.7000
Measurement range refractive index Brix	0-100 %
Accuracy refractive index nD	$\leq \pm 0.0002$
Accuracy Dissolve solids Brix	$\pm \leq 0.1 \%$
Temperature Resolution	0.1° C
Temperature Range (Min 0.1°C)	0-50° C
Correcting range of brix versus	15-45° C
Usage Temperature Range	Ambient to 35° C
Interface	RS232C
Dimensions & Weight	370 x 240 x 470 mm - 12 kg

### STANDARD

### ACCESSORIES:

- Contact Fluid
- Calibration Block
- Calibration Screwdriver
- Power cord
- Instruction Manual

## Digital Portable Refractometer



**MODEL: PR-90**

### SALIENT FEATURES:

- Automatic 1 touch measurement
  - Can be calibrated to 0 using pure water
  - Automatic temperature compensation
- 2 in 1: Brix & nD Combo  
Can change scale by single touch

### SPECIFICATIONS:

Model	PR-90
Make	Khosla Scientific
Measurement range	Brix: 0~90 % nD: 1.3330 ~ 1.5177
Resolution	Brix: 0.1 %, nD: 0.0001
Accuracy	Brix: $\pm 0.1\%$ , nD: $\pm 0.0003$
Measurement range (Temp.)	0 ~ 80°C
Resolution	0.1°C
Accuracy	$\pm 1^\circ\text{C}$
Light Source	Yellow LED
Measurement Time	1.5 sec
Sample Volume	300 $\mu\text{L}$
Power Source	2 $\times$ 1.5v (AAA)
Dimensions & Weight	130 $\times$ 55 $\times$ 25 mm – 0.2 kg

### STANDARD ACCESSORIES:

- Main Unit
- Pasteur Pipette
- Screwdriver
- Batteries
- Instruction Manual



## Refrigerated Circulating Bath



### SALIENT FEATURES:

- PT-100 temperature sensor for accurate results
- Both side handle for easy moving
- Overheat protection and liquid level alarm function
- Fast cooling, low noise, low vibration
- Stable & reliable performance
- Microprocessor based PID controlled results in high precision
- Programable temperature controller
- Liquid to be used: 5°C & below: Alcohol or Anti-freeze  
5 ~ 85°C : Pure water  
85 ~ 95°C : 15% Glycerin & water

### SPECIFICATIONS:

Model	RCB-6	RCB-12
Make	Khosla Scientific	Khosla Scientific
Temp. Control Range	-20°C ~ 100°C	
T Resolution & Accuracy	Resolution: 0.01°C, Accuracy: ±0.05°C	
Temp. Control	Microprocessor PID	
Display	LCD	
Refrigeration Mode	Air cooled refrigeration through compressor	
Refrigerant	R134A	
Pump Circulation	Internal & External	
Temp. Sensor	PT-100	
Pump Flow Rate	6L/min	
Tank Capacity	6L	12L
Tank Size	250 x 200 x 150 mm	300 x 250 x 200 mm
Bath Opening	180 x 140 mm	235 x 160 mm
Bath Depth	150 mm	200 mm
Power Supply	AC 220v / 50 Hz	
Dimension	320 x 370 x 655 mm	320 x 370 x 765 mm
Packing Dimensions	530 x 450 x 800 mm	530 x 450 x 900 mm
Weight	44 kgs	50 kgs

### STANDARD

### ACCESSORIES:

- SS Lid
- Tube for connecting
- Instruction Manual

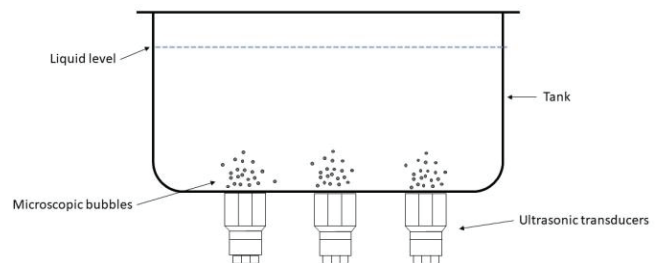


## Digital Ultrasonic Cleaner (Sonicator) with Timer, Heater & Basket



### SALIENT FEATURES:

- Inner Tank & Outer Body is made of Stainless Steel
- Digital Red LED display
- Temperature & Timer function
- Sports ceramic heaters which are efficient
- Drainage & cooling fan from 6L onwards
- High performance transducers

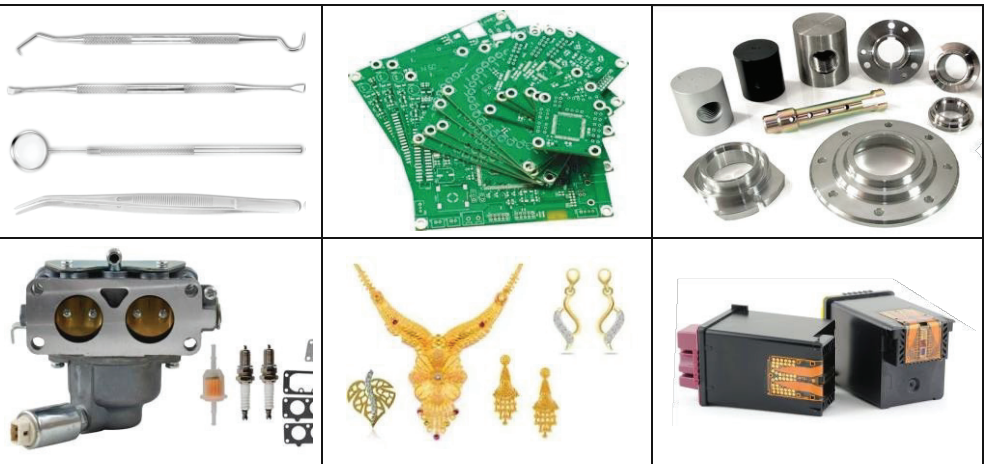


Digital Ultrasonic cleaning is based on the cavitation effect caused by high frequency wave vibration in the fluid caused by the ultrasonic transducers. Microscopic bubbles are formed and they implode violently causing cavitation which creates an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic dents & crevices, cleaning them thoroughly and consistently.

Ultrasonic Cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wide variety of instruments and mechanical parts such as carburetors, toner heads, metal parts, gears, watches, surgical instruments, PCBs, etc returning them to almost like new condition without damaging parts.

### FEW APPLICATIONS:

- Industrial parts
- Surgical Tools
- PCB Boards
- Toner Heads
- Lens
- Jewellery
- Automotive Parts





Lab grade series is ideal for applications where operation time is shorter than 30 minutes.  
These ultrasonic cleaners can be used for a maximum of 30 minutes at a stretch,  
after 30 minutes of operation, 15 minutes of rest time is required before it can be used again.

### Lab Grade (for short operating time)

Model	UC-1002	UC-1003	UC-1004	UC-1006	UC-1010	UC-1015	UC-1022	UC-1030
Theoretical Capacity	2.0L	3.2L	4.5L	6.5L	10.0L	15.0L	22.0L	30.0L
Actual water filling	1.6 L	2.5 L	3.5 L	5 L	8 L	12 L	18 L	27 L
Tank Size (mm)	150*135*100	240*135*100	300*150*100	300*150*150	300*240*150	330*300*150	500*300*150	500*300*200
Overall Size (mm)	180*165*205	270*185*230	330*180*240	375*200*275	330*270*310	360*330*310	530*330*310	530*325*325
Ultrasonic Power	60W	120W	180W	180W	240W	360W	480W	600W
Heating Power	100W	100W	200W	200W	200W	300W	500W	500W
Tank Drainage Valve	No	No	No	Yes	Yes	Yes	Yes	Yes
Time Setting	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins
Heating Temp.	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C
Display	LED	LED	LED	LED	LED	LED	LED	LED
Frequency	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz
Lid Material	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204
Inner Tank Material	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304
Power Supply	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V
Weight	2.4kg	3.6kg	4.9kg	5.4kg	7.5kg	10kg	11kg	18kg

#### **STANDARD**

• Main Instrument • Basket • Instruction Manual

#### **ACCESSORIES:**

• Lid • Power Cord

## Professional Digital Ultrasonic Cleaner (Sonicator)

with Timer, Heater & Basket



### SALIENT FEATURES:

- Inner Tank & Outer Body is made of Stainless Steel
- Digital LED display
- Low water cut-off protection
- Temperature & Timer function
- Sports ceramic heaters which are efficient
- Drainage & cooling fan
- High performance industrial transducers

Professional series is ideal for applications where operation time is more than 30 minutes.

In addition, professional series has industrial grade transducers as well as heaters for high performance.

These ultrasonic cleaners can be used for 99 minutes at a stretch, after 99 minutes of operation, 15 minutes of rest time is required before it can be used again.

### SPECIFICATIONS:

Model	UC-10P
Make	Khosla Scientific
Theoretical Capacity	10 Litre
Actual water filling	8 Litre
Tank Size (mm)	300 x 240 x 150
Overall Size (mm)	330 x 270 x 310
Ultrasonic Power	420 W
Heating Power	1000 W
Tank, Body, Lid Material	Stainless Steel 304
Time Setting	1 to 99 mins / Always On
Heating Temp.	Ambient to 80°C
Display & Ultrasonic Frequency	LED Display, 40 kHz
Power Supply	220v / 50 Hz
Weight	9 kg

### STANDARD

### ACCESSORIES:

- Main Instrument
- Lid
- Basket
- Power Cord
- Instruction Manual

## Ultrasonic Probe Sonicator

With Sound Proof Enclosure (in-built)

MODEL: PRO-650



### **SALIENT FEATURES:**

- Microprocessor controlled & completely programmable
- Large 8" touchscreen display
- Temperature indicator & max temp. alarm
- Motorized operation table for ease
- Auto-frequency for convenience & optimal processing
- Variable power setting
- Auto frequency tracking
- Safety Alarms

### **SPECIFICATIONS:**

Model	PRO-650
Make	Khosla Scientific
Frequency	18-28 kHz Auto Tracking
Frequency tracking accuracy	1 Hz real-time tracking
Processing Capacity	0.5ml to 500 ml
Standard Probe	Ø 6 mm (1/4")
Display	8" Touchscreen
Display Function	Temperature, Power, Time, Pulse ON/OFF Time
Temperature Range	0-99°C
Timer	Yes upto 99 hours, 59 mins, 59 secs
Alarm Functions	Over temperature, over current, over load, transducer abnormality, etc.
Operating Table	Electrically operated motorized
Lighting	Available inside cabinet
Data Memory	9 Memory Group
Output Power	650W (adjustable)
Dimensions	280 x 280 x 490 mm / 10.2 kgs

### **STANDARD**

### **ACCESSORIES:**

- Ø 6 mm Probe
- Power cord
- Temp. Probe (fitted)
- Soundproof box (fitted with main instrument)
- Instruction Manual



## Various size probes for Probe Sonicator

### Also known as Horns

Horns (also known as probes) are made from titanium and machined to specific sizes and shapes. When driven at their resonant frequency, they expand and contract longitudinally. This mechanical vibration is amplified and transmitted down the length of the probe. In liquid, the probe causes cavitation which constitutes the main mechanism for sample processing.

Choosing the appropriate horn is extremely important. The sample volume to be processed is directly related to the tip diameter. Smaller tip diameters (Microtip probes) deliver high intensity sonication, but the energy is focussed within a small, concentrated area. Larger tip diameters can process larger volumes, but offer lower intensity.



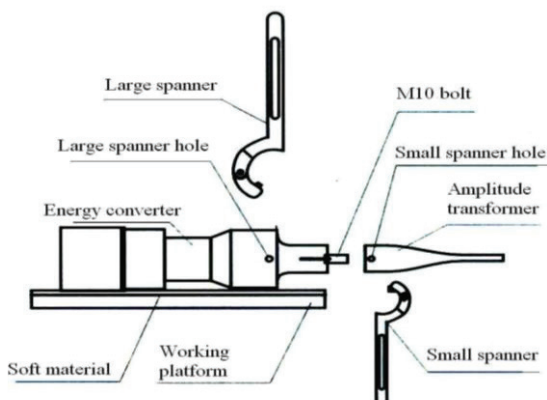
#### **SPECIFICATIONS:**

Part Number	Tip Diameter	Processing Capacity	Power Ratio	Amplitude (microns)
PPS-2	Ø 2	0.5 ~ 5 ml	1 ~ 40%	320 µm
PPS-3	Ø 3	3 ~ 10 ml	1 ~ 50%	380 µm
PPS-6	Ø 6	10 ~ 100 ml	1 ~ 70%	200 µm
PPS-8	Ø 8	20 ~ 200 ml	1 ~ 80%	160 µm
PPS-10	Ø 10	30 ~ 300 ml	1 ~ 90%	140 µm
PPS-12	Ø 12	50 ~ 500 ml	20 ~ 95%	120 µm



Amplitude mentioned is calculated at 100% power.

Spare/Additional Probes are to be attached with a set of wrenches especially designed for easily removing & attaching the probes to the ultrasonic converter.



## Ice Flaker Machine



### SALIENT FEATURES:

- Fully Automatic Microprocessor control.
- Stainless Steel construction.
- Continuous ice flakes output
- CFC free compressor
- Low water level indication
- Overload protection
- Noiseless operation
- Compact Design and low maintenance

### SPECIFICATIONS:

Model	IFM-30	IFM-50	IFM-100	IFM-150
Make	Khosla Scientific	Khosla Scientific	Khosla Scientific	Khosla Scientific
Capacity of Ice Flaker	30 kg / 24 hr	50 kg / 24 hr	100 kg / 24 hr	150 kg / 24 hr
Storage Capacity	10 kg	15 kg	40 kg	40 kg
Storage Bin	ABS Plastic			
Cooling Method	Air (inside R290A refrigerant)			
Ambient Temperature	Below 25°C for optimum working			
Construction	Stainless Steel			
Noise Level	≤52 dB			
Water Supply	3/4" BSP			
Refrigerant	R290A			
Power Supply	AC 220V / 50 Hz			
Input Power	300 W	380 W	520 W	680 W
Dimensions (mm)	330 x 440 x 605	400 x 540 x 700	500 x 611 x 950	500 x 611 x 950
Gross Weight	26 kg	36 kg	58 kg	60 kg

## Dehumidifier

MODEL: DH-30



### SALIENT FEATURES:

- Large SL water tank & piped draining available
- Internationally famous brand of compressor used
- Water full alarm, washable air filter, auto defrost
- 5 humidity modes: Continuous, 40%, 50%, 60%, 70% RH
- Timer function
- Dual stage fan
- Auto defrost
- Water full alarm
- Water tank indicator
- With washable air filters
- Continuous draining available
- Application Area: 3000 to 4000 cu. ft

### STANDARD ACCESSORIES:

- Air filter (fitted inside main unit)
- Power Cord
- Instruction Manual

SPECIFICATIONS:	
Model	TB-200
Make	Khosla Scientific
Turbidity Range	0~2000 NTU, 0~500 EBC, 0~9999 ASBC
Turbidity Resolution	0.01 (0~99NTU), 0.1 (100~999NTU), 1 (1000~2000NTU)
Turbidity Accuracy	±2% of reading (0~500NTU), ±3% of reading (501~2000NTU)
Calibration Points	2 to 7 points
Calibration Standards	0.02, 10, 200, 500, 1000, 1500, 2000 NTU
TSS Range	Depending on the TSS conversion factor
TSS Accuracy	3% of reading
Light Source	Infrared-emitting diode (850nm)
Detector	Silicon Photodiode
Stray Light	< 0.02 NTU
Sample Vial	60(H) x 25(dia) mm
Memory & Data Output	200 data sets & USB Data output
Operating Temperature	0~50°C
Display	4.5 inches TFT LCD
Power Supply	DC12V Power Adapter
Dimensions & Weight	250 x 177 x 96 mm & 1.2 kg

## pH Meter + Stirrer Combo

MODEL: PHS-500C



### SALIENT FEATURES:

- Fully Automatic Microprocessor control.
- Ceramic coated work plate
- Adjustable stirring times & speeds
- Automatic temperature compensation ensures accurate readings over the entire range
- Classical benchtop pH meter equipped with large back-light LCD display

## SPECIFICATIONS: PHS-500C

Model	PHS-500C
Make	Khosla Scientific
pH Range	0.00 ~ 14.00 pH
pH Accuracy	± 0.01 pH
Calibration Point	2 points (pH 4.01/7.00/10.01)
mV/ORP Range	± 1999 mV
mV/ORP Accuracy	±1 mV
Temperature Range	0 ~ 100°C
Temperature Resolution & Accuracy	Resolution: 0.1°C & Accuracy: ±0.5°C
Stirring Volume	0 ~ 2000 ml
Stirring Speed	0 ~ 1250 RPM
Top Plate Size & Material	Ceramic
Timer Range	0 to 999 minutes
Temperature Compensation	0 ~ 100°C
Connector	BNC
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	210 x 205 x 75 mm / 1.5 kgs

### STANDARD ACCESSORIES:

- pH Electrode
- Electrode Arm
- pH Buffer Pouches
- Stir Bars
- Instruction Manual



## Digital Hot Plate Magnetic Stirrer Ceramic Top

MODEL: HMS-5LC



### SALIENT FEATURES:

- Digital LCD Display with back light.
- Big Size Ceramic hot plate with flame protection and durability.
- Heating and stirring can proceed simultaneously
- Temperature & Stirring speed is step-less adjusted
- Real temperature & speed display on the screen simultaneously
- Two sensors, outside PT 100 sensor control the liquid temperature, inside K type sensor control the hot plate temperature (selectable).
- Over temperature alarm
- With Digital control & time setting

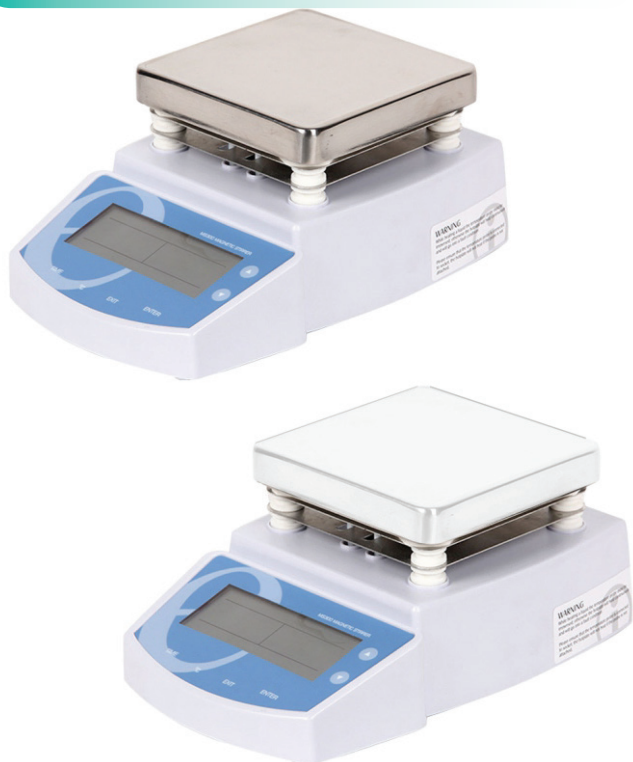
### SPECIFICATIONS: HMS-5LC

Model	HMS-5LC
Make	Khosla Scientific
Display	Digital
Speed (RPM)	200–2000
Minimum Resolution (RPM)	200 RPM
Plate Size (mm)	190 x 190
Top Plate type	Ceramic
Max. Volume (ml)	5000
Temp. Sensor	PT100
Temp. controller	PID
Max Temp. (plate surface)	300°C
Temp. Resolution	0.1°C
Temp. Accuracy	±0.5°C (<100°C) ±1°C (<300°C)
Power wattage	Heating: 600 W, Stirring: 20 W
Power Supply	AC 220V / 50Hz
Dimension L x W x H (mm)	300 x 190 x 126
Weight	5 kg

### STANDARD ACCESSORIES:

- Stir Bar
- Temperature Probe
- Stand
- Instruction Manual

## Digital Hotplate Magnetic Stirrer



### **SALIENT FEATURES:**

- **MICROPROCESSOR CONTROL:** Operated by a digital control CPU.  
The CPU regulates the heating up to 300° C
- **DIGITAL SPEED CONTROL:** Stirring speed is also controlled by the CPU from the keyboard while the stirring speed is indicated on the bar graph.
- **PROGRAMABLE:** Operator can setup the objective temperature, hold temperature, stirring time and speed.
- **AUTOMATIC TEMPERATURE CONTROL:** Connect the temperature probe and place into glass container being stirred to measure and maintain the object temperature. Accuracy is  $\pm 1^{\circ}\text{C}$ .

### **SPECIFICATIONS:**

Model	MS-300	MS-300C
Make	Galaxy	Galaxy
Display	LCD	LCD
Max. Volume (ml)	2000 ml	2000 ml
Speed (RPM)	1250 RPM	1250 RPM
Top Plate Size	135 x135 mm	135 x135 mm
Plate Material	Steel	Ceramic
Max.Temp.(Plate Surface)	300°C	300°C
Temp. Accuracy	$\pm 1^{\circ}\text{C}$ ( <100°C) $\pm 3^{\circ}\text{C}$ (<300°C)	
Timer	999 Minutes	999 Minutes
Power supply	AC 220V / 50 Hz	AC 220V / 50 Hz
Dimension LxWxH (mm)	230 x 180 x 120	230 x 180 x 120
Weight	2.3 kg	2.3 kg

### **STANDARD**

### **ACCESSORIES:**

- Stir Bar
- Temperature Probe
- Instruction Manual

## Digital Rotational Viscometer

**MODEL: GV-60**



### SALIENT FEATURES:

- Auto Range function
- 8 Speed selection
- Direct Viscosity reading and temperature display
- Large bright back-light LCD Display
- Viscosity value is accurate to 2 decimals = 0.01 mpa.s
- With automatic scanning function, the instrument can automatically recommend a suitable combination of rotor and speed
- Can automatically display the range of viscosity that can be measured by the selected combination

### SPECIFICATIONS:

Model	GV-60
Make	Khosla Scientific
Measuring Range mpa.s	20~20,00,000 mpa.s
Measurement Resolution	0.01 mpa.s (Full scale)
Speed	0.3, 0.6, 1.5, 3, 6, 12, 30 60 RPM
No of Speed	8 speed settings
No of Standard Spindle	4
Display	LCD
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed
Temperature Monitoring	Optional - Feature available
Measurement Accuracy	±1% F.S
Repeatability	± 0.5% F.S
Output	RS 232C Interface
Power Supply	AC 220V / 50Hz
Dimension	300 × 300 × 450 mm
Weight	9 kgs

### STANDARD

### ACCESSORIES:

- 4 spindles
- Spindle Guard Leg
- Power Cord
- Stand Set
- Instruction Manual

## Digital Rotational Viscometer

### SALIENT FEATURES:



- Auto Range function
- More number of speed options
- Direct Viscosity reading and temperature display
- Large bright back-light LCD Display
- Viscosity value is accurate to 0.1 mpa.s
- With automatic scanning function, the instrument can automatically recommend a suitable combination of rotor and speed
- Can automatically display the range of viscosity that can be measured by the selected combination

### SPECIFICATIONS:

Model	GV-100	GV-200
Make	OPTIMA	OPTIMA
Measuring Range mpa.s	20~20,00,000 mpa.s	20~60,00,000 mpa.s
Measurement Resolution	0.1 mpa.s (Full scale)	0.1 mpa.s (Full scale)
Speed	0.3, to 100 RPM	0.1 to 200 RPM
No of Speed	18 speed settings	58 speed settings
No of Standard Spindle	4	
Display	LCD	
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed	
Temperature Monitoring	Optional - Feature available	
Measurement Accuracy	±1% F.S	
Repeatability	± 0.5% F.S	
Output	RS 232C Interface	
Power Supply	AC 220V / 50Hz	
Dimension	300 × 300 × 450 mm	
Weight	9 kgs	

### Standard Accessories

4 spindles  
Spindle Guard  
Leg  
Power Cord  
Stand Set  
Instruction Manual

## Digital Rotational Viscometer

**MODEL: GV-60**



### **SALIENT FEATURES:**

- Auto Range function
- 8 Speed selection
- Direct Viscosity reading and temperature display
- Large bright back-light LCD Display
- Viscosity value is accurate to 2 decimals = 0.01 mpa.s
- With automatic scanning function, the instrument can automatically recommend a suitable combination of rotor and speed
- Can automatically display the range of viscosity that can be measured by the selected combination

### **SPECIFICATIONS:**

Model	GV-60
Make	Khosla Scientific
Measuring Range mpa.s	20~20,00,000 mpa.s
Measurement Resolution	0.01 mpa.s (Full scale)
Speed	0.3, 0.6, 1.5, 3, 6, 12, 30 60 RPM
No of Speed	8 speed settings
No of Standard Spindle	4
Display	LCD
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed
Temperature Monitoring	Optional - Feature available
Measurement Accuracy	±1% F.S
Repeatability	± 0.5% F.S
Output	RS 232C Interface
Power Supply	AC 220V / 50Hz
Dimension	300 × 300 × 450 mm
Weight	9 kgs

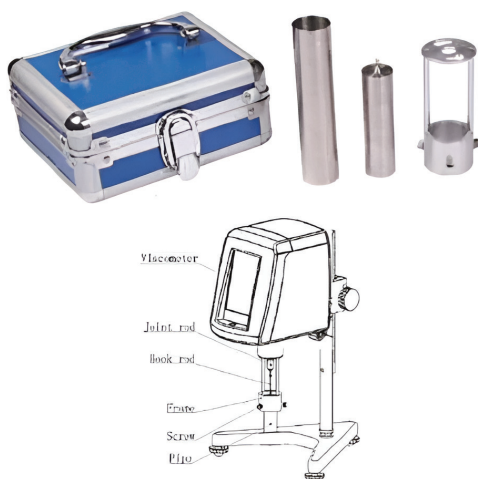
### **STANDARD**

### **ACCESSORIES:**

- 4 spindles
- Spindle Guard Leg
- Power Cord
- Stand Set
- Instruction Manual

## Low Viscosity Adapter for Viscometers

**MODEL: LVA-30**



### SALIENT FEATURES:

- Ideal for low viscosity materials  
20 to 30 ml sample is needed for test
- Spindle No. included with adapter
- Especially made for materials less than 20 mpa.s viscosity
- Viscosity Measurement Range: 1 to 2000 mpa.s

### STANDARD ACCESSORIES:

- Joint Road
- Frame
- Hook Rod
- Spindle No. 0
- Pipe

## Circulating Jacketed Container for Viscometers

**MODEL: CJC-200**



- Useful for maintaining samples at a constant temperature
- Connect this to a circulating water/oil bath and maintain your sample at constant temperature
- Manufactured from heat resistant borosilicate glass
- Flat surface and free of bubbles

## Temperature Sensor for Viscometers

**TMP-2** compatible for GV-60

**TMP-3** compatible for GV-100 & GV-200

**MODEL: V-721**



**SALIENT FEATURES:**

- Extremely easy to set up & simple to use
- Monochromator with a holographic flashing grating
- High wavelength precision, good monochromatic and low stray light
- Direct read out of Absorption(ABS), Transmittance(%T), Concentration(C) & concentration setting function

**SPECIFICATIONS:**

Model	V-721
Make	Khosla Scientific
Optical System	CT Single Beam, Grating 1200 lines/mm
Wavelength Range	320~1020 nm
Spectral Bandwidth	2 nm
Wavelength Interval	1 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	1 nm
Photometric Accuracy	±1%T
Photometric Repeatability	0.5%T
Photometric Range	0 -1.999A, 0-199.9%T
Stray Light	≤0.3%T@340nm
Stability	±0.004A/h @500nm
Display & Photometric Mode	4 Digit LCD & Mode: T, A, C
Detector	Silicon Photodiode
Light Source	Tungsten Lamp
Power Supply	AC 220V / 50Hz
Dimensions & Weight	450 × 520 × 320 mm & 10 kgs

**STANDARD**

**ACCESSORIES:**

- Glass Cell 10mm
- Power Cord
- Instruction Manual



## Visible Spectrophotometer

**MODEL: V-721**



### **SALIENT FEATURES:**

- Extremely easy to set up & simple to use
- Monochromator with a holographic flashing grating
- High wavelength precision, good monochromatic and low stray light
- Direct read out of Absorption(ABS), Transmittance(%T), Concentration(C) & concentration setting function

### **SPECIFICATIONS:**

Model	V-721
Make	Khosla Scientific
Optical System	CT Single Beam, Grating 1200 lines/mm
Wavelength Range	320~1020 nm
Spectral Bandwidth	2 nm
Wavelength Interval	1 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	1 nm
Photometric Accuracy	±1%T
Photometric Repeatability	0.5%T
Photometric Range	0 -1.999A, 0-199.9%T
Stray Light	≤0.3%T@340nm
Stability	±0.004A/h @500nm
Display & Photometric Mode	4 Digit LCD & Mode: T, A, C
Detector	Silicon Photodiode
Light Source	Tungsten Lamp
Power Supply	AC 220V / 50Hz
Dimensions & Weight	450 × 520 × 320 mm & 10 kgs

### **STANDARD**

### **ACCESSORIES:**

- Glass Cell 10mm
- Power Cord
- Instruction Manual



## UV/VIS Spectrophotometer

Single Beam

MODEL: UV -300



### SALIENT FEATURES:

- Imported Lamps: Uses highest quality of imported Deuterium lamp, Tungsten lamp & sensors.
- Low Stray Light: UV-300 is made of high quality components and has perfect design which ensures low stray light.
- Stability & Durability: UV-300 uses die-cast aluminium base which ensures instrument's stability & durability.
- Multiple Results: UV-300 Can display wavelength, absorption & transmittance. It has a memory of 200 results & 100 standard curves.
- Standard Curve: UV-300 Can set up various standard curves according to customer's solution and find the concentration of unknown solutions.
- Auto Setting: User can set wavelength automatically through arrow keys.
- Data Output: UV-300 is equipped with USB port to connect to computer software.
- Wide functionality: Software enables Photometric analysis, Quantitative analysis, Spectral scanning, Kinetics, DNA/protein analysis, Multi-wavelength test, etc. The software is optional.

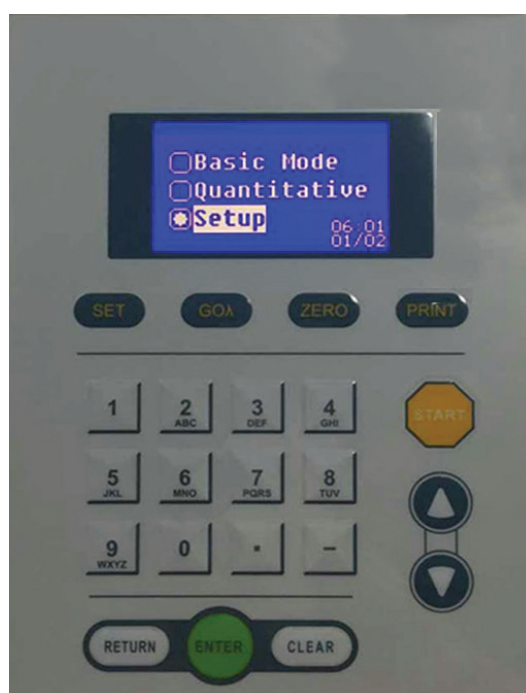
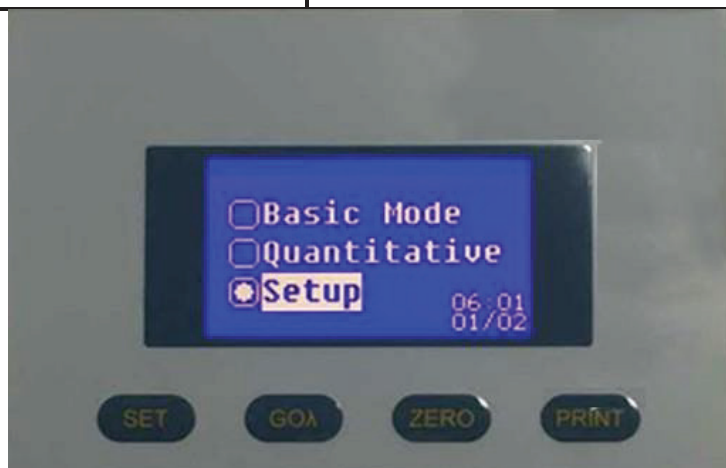


Fig.: Key Panel

# Optima Instrument

Model	OLUV-300
Make	OPTIMA
Bandwidth	2 nm
Cell Holder	10mm manual 4-cell holder
Optical System	Single Beam (1200 lines/mm Grating)
Wavelength Range	190 ~ 1100 nm
Wavelength Accuracy	± 0.3 nm
Wavelength Repeatability	± 0.1 nm
Wavelength Setting	Auto.
Photometric Range	-0.3 ~ 3A, 0~200%T, 0~9999C
Photometric Accuracy	± 0.05%T
Photometric Repeatability	± 0.2%T
Stray Light	± 0.05%T
Stability	±0.002A/h @ 500nm
Baseline Flatness	± 0.002A
Measurement Mode	T, A, C, E
Display	128 * 64 LCD
Detector	Imported Silicone Photodiode
Light Source	Imported D2 & Tungsten Halogen Lamp
Output	USB Port & Parallel Port
Power Supply	AC 220V / 50Hz
Dimensions & Weight	700 x 580 x 340mm & 20kg
Price	Rs. 1,13,280.00



Multi Line LCD Display

## STANDARD ACCESSORIES:

- 1.) Software
- 2.) 10mm Quartz Cuvette
- 3.) Instruction Manual
- 4.) Power Cord
- 5.) 10mm Glass Cuvette

## Double Beam UV/VIS Spectrophotometer



### SALIENT FEATURES:

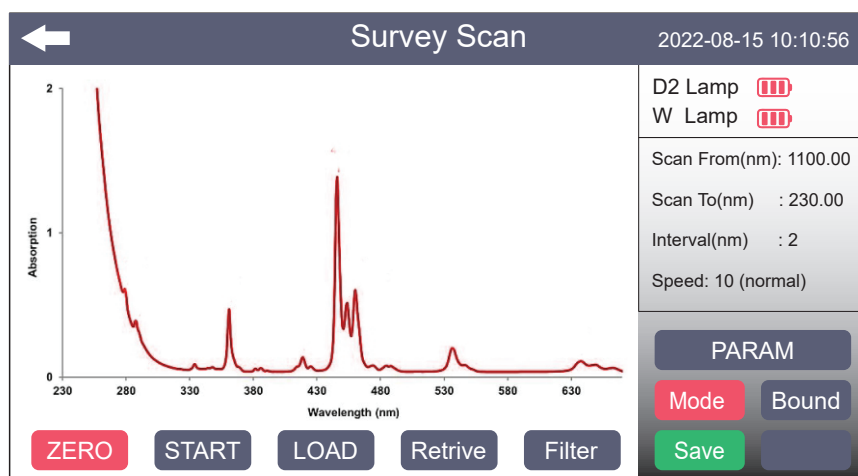
- With spectral scanning function
- Can measure upto 6 wavelengths at a single time
- Large touchscreen for ease
- Parallel port & USB port
- Imported lamps & sensor results in perfect measurements

This instrument is widely used in petroleum, chemical, pharmaceutical, sugar, refining, research and food industries. This spectrophotometer also has wide scope of use in related colleges, universities & scientific research institutions for meaning the photometric value of samples.

### FUNCTIONS:

- Two detectors are used to measure sample and reference respectively and simultaneously
- Improved Circuit: Improved design prevents circuit fluctuations and stray light to ensure stability of the instrument.
- Sturdy Design: It uses a rigid base to ensure stability & reliability
- Large Touchscreen Display: It sports a large touchscreen display to show results and curves directly on the screen
- Multi functions in the software enables the user to toggle between variety of functions such as wavelength scanning, standard curve, kinetics, multi wavelength scanning, DNA/protein test
- Data can be saved in csv file. Data can be exported through a USB drive & bluetooth.
- Has a function for filtering & smoothing the peaks of measurement.

Model		UV-1900	UV-1900S
Make		Khosla Scientific	Khosla Scientific
Bandwidth		2 nm	0.5, 1.0, 2.0, 4.0 nm
Cell Holder		Sample & reference cuvette holder (both 10mm)	
Optical System		Double Beam (1200 lines/mm Grating)	
WAVELENGTH	Wavelength Range	190 ~ 1100 nm	
	Wavelength Accuracy	± 0.3 nm	
	Wavelength Repeatability	± 0.2 nm	
PHOTOMETRIC	Scanning Speed	High, Medium, Low (Max. 3000 nm/min)	
	Photometric Range	-4 ~ 4A, 0~999.9%T, 0~9999C, 1~9999F	
	Photometric Accuracy (T)	± 0.3%T	
	Photometric Repeatability	0.2%T	
	Stability	± 0.001 A/h (700 nm, preheating for 1 hr)	
	Photometric Accuracy(A)	≤±0.002A(0~0.5A), ≤±0.004A(0.5~1A), ≤±0.006A(>2.0)	
	Baseline Flatness & noise	± 0.001A/h	
	Stray Light	<0.05%T @ 220nm, 360nm	
	Data Output	USB	
	Printer Port	Parallel Port	
Display		Touchscreen	
Lamps		D2 & Tungsten Halogen Lamp	
Detector		Silicone Photodiode	
Power Supply		AC 220V / 50Hz	
Dimensions & Weight		650 x 450 x 220mm & 25kg	



### **STANDARD**

### **ACCESSORIES:**

- Software
- 10mm Glass Cuvette
- 10mm Quartz Cuvette
- Instruction Manual
- Power Cord

## Vortex Mixer



**MODEL: VM-28**



**MODEL: MINI-27**

### STANDARD ACCESSORIES

- Standard Head, Flat Rubber
- Standard Fixed Head
- Head, Foam Head
- Power Adapter
- Instruction Manual
- Power Adapter
- Instruction Manual

Khosla Scientific

## SPECIFICATIONS: VM-28 & MINI-27

Specification	VM-28	MINI-27
Make	Khosla Scientific	Khosla Scientific
Speed Range	0-2800rpm	0-3000rpm
Shaking movement	Orbital	Orbital
Orbital diameter	4 mm	4 mm
Motor Power	58W	12W
Run type	Continuos / Touch / Speed	Continuos / Touch / Speed
Ambient Temp. Range	5°C to 40°C	5°C to 40°C
Display	None	None
Power	60W	60W
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz
Dimension LxWxH (mm)	240 x 190 x 240 mm	110 x 90 x 80 mm
Weight	2.8kg	0.5kg

## Smart Vortex Mixer with timer & speed display

MODEL: VM-4200



### SALIENT FEATURES:

- Suitable for 0.2ml to 50ml micro tubes. Also suitable for containers less than 108mm diameter.
- Continuous & touch operation
- Brush-less DC motor for maintenance free long life
- Built in counter balance for steady & safe operation
- 1 to 999 mins time setting
- Programmable Pulse mode

### SPECIFICATIONS:

Model	VM-4200
Make	Khosla Scientific
Rotating Speed	300 to 4200 RPM
Shaking Movement	Orbital
Orbital Diameter	4 mm
Motor Power	20 W
Run Type	Continuous / Touch / Speed
Time	1 to 999 minutes & continuous
Increment/Decrement	10 RPM
Pulse Mode	Adjustable
Max. Load Capacity	500 g
Display	Speed & Time
Ambient Temp. Range	5 to 40°C
Ambient Humidity	80%
Voltage	24v 1.5amp, AC 220V / 50 Hz
Dimensions & Weight	150 × 130 × 115 mm & 2.5 kg

### STANDARD

### ACCESSORIES:

- Main Machine
- Simple test tube head
- Instruction Manual

## Smart Mini Centrifuge

With timer & variable speed display

**MODEL: MCX-6V**



### SALIENT FEATURES:

- Suitable for 2.0ml, 1.5ml, 0.2ml centrifuge tubes & 0.2mlx8 PCR tube strips.
- Compact footprint to save valuable space
- Microprocessor controlled for efficient performance
- Variable timer setting from 1 min to 99 min & infinite mode
- 8 place micro centrifuge rotor

### SPECIFICATIONS:

Model	MCX-6V
Make	Khosla Scientific
Speed	1000 to 6000 RPM
Max. Load Capacity	1915 x g (Max RCF)
Speed Accuracy	± 100 RPM
Display	Digital
Motor Power	9W
Time	1 to 99 min & infinite
Rotor Capacity	1. 8 x 1.5/2.0 ml
	2. 10 x 0.2/0.5 ml
	3. 4 place PCR strip
Quick Spin	LID Activated ON/OFF
Voltage	24v 1.5amp, AC 220V / 50 Hz
Dimensions & Weight	150 × 130 × 115 mm & 2.5 kg

### STANDARD

### ACCESSORIES:

- Main Machine
- Rotors
- Instruction Manual



## High Speed Micro Centrifuge Machine

MODEL: MCX-15



### SALIENT FEATURES:

- Dedicated 3D digital wheels to adjust speed and time
- Programmable operation can store up to 10 programs
- Motor-driven lid locking system for high safety and reliability
- Heavy base eliminates vibration and movement when running
- Powerful centrifugal force of 15100 x g and Max. speed of 15000rpm
- High speed accuracy of  $\pm 20$ rpm
- Large LED display for easy reading
- Fast acceleration and braking system
- Comes with Aluminum rotor with rotor capacity: 1.5/2.0/0.2/0.5mL x 12

### SPECIFICATIONS:

Model	MCX-15
Make	Khosla Scientific
Speed Range	500~15000 RPM
Speed Increment	100 RPM
Max. RCF	15100, increment: 100
Speed Accuracy	$\pm 20$
Rotor Capacity	0.2ml/0.5ml/1.5ml/ 2ml x 12
Timer	Timer: 30s~99 min
Motor	Brushless DC Motor
Safety Features	Door interlock, Over-speed detection,
Noise	Over-temperature detection, Automatic internal diagnosis
Acceleration/Brake Time	Acceleration: 30s, Braking: 10s
Power Supply	AC 220V / 50Hz
Dimension & Weight	256 x 225 x 155 mm & 6 kg



## Digital Vernier Caliper



### SALIENT FEATURES:

- Large display
- Made of REAL hardened stainless steel of grade 4CR13
- High quality of workmanship ensures perfect jaws and grooves
- Packed in sturdy storage box

### SPECIFICATIONS: DVC-R-150 / 200 / 300

Specification	DVC-R-150	DVC-R-200	DVC-R-300
Make	Khosla Scientific	Khosla Scientific	Khosla Scientific
Range	150 mm / 6"	200 mm / 8"	300 mm / 12"
Resolution	0.01 mm	0.01 mm	0.01 mm
Units	mm, inch	mm, inch	mm, inch
Battery	1 x LR 44	1 x LR 44	1 x LR 44
Material	Real hardened Stainless Steel 4CR13	Real hardened Stainless Steel 4CR13	Real hardened Stainless Steel 4CR13
Weight	0.35 kg	0.4 kg	0.7 kg

## Digital Micrometer



### SPECIFICATIONS: DM-025

Specification	DM-025
Make	Khosla Scientific
Range	25 mm / 1"
Resolution	0.001 mm
Units	mm, inch
Battery	1 x CR2032
Material	ABS Body, Carbide Tip
Weight	0.36 kg

### SALIENT FEATURES:

- Large display & 3 buttons
- Carbide tip for long life
- High quality of workmanship ensures perfect reading
- Packed in sturdy storage box

## Digital Coating Thickness Tester

MODEL: CTG-800



### SALIENT FEATURES:

- Large display & built-in Black Light for easy reading
- V-Groove for easy reading
- Single & Continuous reading mode
- Auto power-off in 5 minutes with no-operation
- Automatic Fe/Nf recognition
- Anti-skid rubber grip

The thickness gauge is used to measure the thickness of coating on metal, e.g. paint/enamel/chrome on steel, paint and anodizing coating on aluminum/copper.

### SPECIFICATIONS: CTG-800

Specification	CTG-800
Make	Khosla Scientific
Measuring Range	0~1300 $\mu$ m / 0~51.2mil
Resolution	0.1 $\mu$ m / 0.01mil
Accuracy	$\pm(2.5\%+1\mu\text{m})$
Which base can be tested?	Ferrous & Non-ferrous base
Units	$\mu$ m, mil
Minimum measuring area	$\varnothing$ 6 mm
Minimum curvature radius	Convex: 1.5 mm Concave: 25 mm
Min. thickness of substrate	Ferrous: 0.5 mm, Non-Ferrous: 0.3 mm
Calibration	Zero/50/100/250/500/1000 $\mu$ m
Testing Principle	F: Magnetic Induction, NF: Eddy Current
Power Source	4 x AAA battery
Dimensions & Weight	155 x 62 x 35 mm & 125 g

### STANDARD

### ACCESSORIES:

- Calibration Films
- Ferrous Substrate
  - Non-F Substrate
  - Instruction Manual

## Digital Metal Hardness Tester

MODEL: MHT-180



### SALIENT FEATURES:

- Large display & built-in Black Light for easy reading
- Large capacity memory could save 100 groups info
- Connect with computer using RS 232 interface
- Auto power-off in 5 minutes with no-operation
- 7 different measurement units
- Wide measurement range

This machine is used to measure the hardness of any metal. It is mainly used for testing sufficiently large work pieces (typically > 1kg).

It works on the principle of measurement of the coefficient of restitution. It is nondestructive testing

### SPECIFICATIONS: CTG-800 (Updated)

Specification	CTG-800
Make	Khosla Scientific
Measuring Range	0~1300μm / 0~51.2mil
Resolution	0.1μm / 0.01mil
Accuracy	±(2.5%+1μm)
Which base can be tested?	Ferrous & Non-ferrous base
Units	μm, mil
Minimum measuring area	Ø 6 mm
Minimum curvature radius	Convex: 1.5 mm Concave: 25 mm
Min. thickness of substrate	Ferrous: 0.5 mm, Non-Ferrous: 0.3 mm
Calibration	Zero/50/100/250/500/1000 μm
Testing Principle	F: Magnetic Induction, NF: Eddy Current
Power Source	4 x AAA battery
Dimensions & Weight	155 x 62 x 35 mm & 125 g

### STANDARD

#### ACCESSORIES:

Calibration Block

- Type D probe
- Storage Box
- Instruction Manual

## Surface Roughness Tester

**MODEL: SRT-8010**

### SPECIFICATIONS:



Testing parameters include:

Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk,  
Rku, Rsm, Rmr, Rx

Model	SRT-8010
Make	Galaxy
Measuring Range	Ra (0.005µm ~16µm) Rz (0.02µm~160µm)
Max. Driving Tip	17.5mm/0.7inch
Sampling Length	0.25mm,0.8mm,2.5mm,8mm
Evaluating Rounds	1~5L
Filter	RC,PCRC,Gauss,ISO13565
Accuracy & Repeatability	A:<± 10% & R:± 6%
Tip Radius	5 µm
Power Source	Rechargeable Battery
Dimensions & Weight	140 x 52 x 48 mm & 500 g

## Digital Gloss Meter

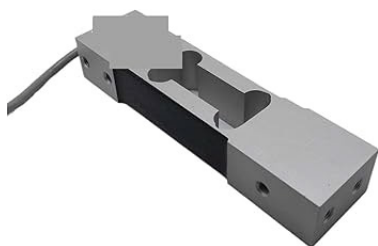
### SPECIFICATIONS:



It measures specular reflection gloss of a surface. Gloss is determined by projecting a beam of light at a fixed intensity and angle onto a surface and measuring the amount of reflected light at an equal but opposite angle.

Model	GM-6	GM-268
Make	Khosla Scientific	Khosla Scientific
Measuring Angle	60°	20°/60°/85°
Measuring Range	0.1~200 GU	0.1~200 GU
Gloss Units	GU	GU
Accuracy	±1.5 GU	±1.5 GU
Resolution	0.1 GU	0.1 GU
Repeatability	± 0.5 GU	± 0.5 GU
Measuring Area	7 x 14 mm (Ellipse)	
Data Memory	254 groups	
Power Source	3.7v Rechargeable Ion Battery	
Dimensions	140 x 45 x 75 mm	
Weight	305 g	

## Spares & Accessories





**Khosla Scientific  
Instruments**