

PRODUCTS

Low Pressure Screw Pump (MK-LPSP)

Low Pressure Screw Pump

Application

The Calibration hand pump is a low air pressure source with the ability to easily adjust and stabilise

The Pump is used for calibration pressure transducers, precision pressure gauges along with standard or master indicators

Specifications

Range : Generation of Pressure : 2/7 bar
 Generation of vacuum : - 0.8 Bar
 Medium : Dry Air
 End Connection For Master : 1/4" BSP
 Flexible Hose With 1/4" BSP (F) For Gauge to be Calibrated

Accessories

- Set of Washers & O rings: 1/8", 1/4", 3/8", 1/2" - 6 Nos. each
- Set of Adaptors:
 1/4" BSP (M) x 1/8" BSP (F), 3/8" BSP (F), 1/4" BSP (F)

Dimension

H - 16.5 cm
 W - 10 cm

The Pump is fitted with 1/2 mtr 4 mm Nylon hose with end connection 1/4" BSP (F). Other end connection 1/4" BSP



Pneumatic Hand Pump (MK-PHP-40)

SPECIFICATIONS

Range: Generation of Pressure: 40 Bar Generation of Vacuum: 0.95 Bar

Medium: Dry Air

End Connection For Master: 1/4" BSP (F)

Flexible Hose With 1/4" BSP (F) For Gauge to be Calibrated.

ACCESSORIES:

- Set of Washers & O rings : 1/8", 1/4", 3/8", 1/2" -5 Nos each
- Set of Adaptors:
 1/4" BSP (M) x 1/8" BSP (F), 3/8" BSP (F), 1/4" BSP (F)



PRODUCTS

Hydraulic Hand Pump (MK-HP-700)

TECHNICAL SPECIFICATION

Range : Generation of Pressure: 700/1000 Bar

Medium: Oil / Water End Connection For Master: ¼" BSP (F)

Flexible Hose With ¼" BSP (F) For Gauge to be Calibrated.

ACCESSORIES:

- Set of Washers & O rings : 1/8", 1/4", 3/8", 1/2" - 5 Nos. each

- Set of Adaptors:

1/4" BSP (M) x 1/8" BSP (F), 3/8" BSP (F), 1/4" BSP (F)



Table Top Comparison Test Pump (MK-TCP)

SPECIFICATIONS

Range : Generation of Pressure: 350/700/1000/1400 Bar

Medium: Water or Hydraulic Oil

End Connection For Master: ¼" BSP (F)

Flexible Hose With ¼" BSP (F) For Gauge to be Calibrated.

ACCESSORIES

- Set of Washers & O rings : 1/8", 1/4", 3/8", 1/2" - 5 Nos. each

- Set of Adaptors:

1/4" BSP (M) x 1/8" BSP (F), 3/8" BSP (F), 1/4" BSP (F)



PRODUCTS

Dry Block Temperature Calibrator

Model	MK-DTC-1250
Temperature Range	400 to 1200°C

Heating Block Specifications

Material	Special alloy
No of Heaters	1
Insertion Depth	130mm

Controller Specifications

Type	Microprocessor Logic Controller
Display Range	300 to 1250°C
Accuracy	±3°C
Resolution	1°C
Stability	±1°C or Less
Uniformity	±2°C
Units	°C
Stabilization Time	15 minutes
Displays	LCD

Standard Specifications

Heating Time	(400 to 1200°C) : 45 minutes (approx.)
Cooling Time	Provided
Switch Test Facility	230V AC
Power Supply	±2.5/50 Hz.
Dimensions	300 x 300 x 400 mm
Weight	15 Kgs.

Dry Block Temperature Calibrator

MODEL : MK-DTC-1250



PRODUCTS

Wet Temperature Bath

Model	MK-DTC-250
Temperature Range	ambient to 250°C

Heating Block Specifications

Liquid Tank Usable Inner Working Area	130 mm deep x70 mm well dia
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Controller Specifications

Type	Microprocessor Logic Controller
Display Range	0 to 250°C
Accuracy	±0.5°C
Resolution	0.1°C
Stability	±0.1°C
Uniformity	±0.2°C
Units	°C
Stabilization	Please allow 15 minutes to stabilize at particular set temp.
TimeDisplays	LED with SV & PV

Standard Specifications

Heating Time	Time to reach 250°C from Ambient will take minimum 90 mins.
Cooling Time	Provided
Switch Test Facility	230V AC
Power Supply	±5V
Dimensions	200 x 240 x 340 mm
Weight	7 Kgs.

Wet Temperature Bath

MODEL :MK-DTC-250



PRODUCTS

Dry Block Temperature Calibrator

Model	MK-NTC-600
Temperature Range	ambient to 600°C

Heating Block Specifications

Material	brass
No of Heaters	4 nos.120mm
Block Immersion	Insertion
Pocket Diameter	30mm Insertion
No of Pocket	Providing 3 Pockets with Different holes from 2.6 to 13mm Dia

Controller Specifications

Type	Microprocessor Logic Controller
Display Range	0 to 650°C
Accuracy	±0.5°C
Resolution	0.1°C
Stability	±0.2°C or Less
Uniformity	±0.2°C
Units	°C
Stabilization	15 minutes
TimeDisplays	LCD

Standard Specifications

Heating Time	(ambient to 600°C) : 30 minutes (approx.)
Cooling Time	Provided
Switch Test Facility	230V AC
Power Supply	±2.5/50 Hz.
Dimensions	150 x 240 x 340 mm
Weight	7 Kgs.

Dry Block Temperature Calibrator

MODEL : MK-NTC-600



Negative Dry Block Temperature Calibrator

Model	MK-NTC-125
Temperature Range	-30 from ambient to 125°C

Heating Block Specifications

Material	Aluminium
No Of Heaters	4 nos
Block Immersion	120mm Insertion
Pocket Diameter	30mm Insertion
No Of Pocket	Providing 3 Pockets with Different holes from 2.6 to 13mm Dia

Controller Specifications

Type	Microprocessor Logic Controller
Display Range	-30 to 125°C
Accuracy	±0.5°C
Resolution	0.1°C
Stability	±0.1°C
Uniformity	±0.1°C
Units	°C
Stabilization	10 minutes
TimeDisplays	LCD

Standard Specifications

Heating Time	(ambient to 125°C) : 150 minutes (approx.)
Cooling Time	(ambient to negative max.) : 30 minutes (approx.)
Switch Test Facility	Provided
Power Supply	230V AC ±2.5/50 Hz.
Dimensions	200 x 240 x 340 mm
Weight	8 Kgs.



Negative Dry Block
Temperature Calibrator
MODEL : MK-NTC-125

INTRODUCTION

The MK-UCL-50 MK-UCL-60 Calibrators have multiple signal outputs and can measure various parameters including Voltage, Current and Thermoelectric couple.

With their large LCD display, silicon keypad, easy to use operations, long service life, high accuracy and programmable output, it is widely used in Labs, various industrial fields, PLC process instruments etc., for debugging Electric and other parameters.



PARAMETERS

Measure & Output Signal

No.	Signal Type	Range	Accuracy	Resolution	Remarks
DC Voltage	20mV	0.00 ~ 24.00mV	±0.2%	0.01mV	Output : Maximum Current 30mA
	100mV	0.0 ~ 100.00mV	±0.2%	0.1mV	
	V	0.00 ~ 15.00V	±0.2%	0.01V	
DC mA	mA	0.00 ~ 30.00mA	±0.2%	0.01A	Active Current
	4 ~ 20mA	4/8/12/16/20mA	±0.2%	0.01mA	
Passive Current	mA	0.00 ~ 24.00mA	±0.2%	0.01mA	Output : External Current 16~30V
Power Distribution Output	24VLOOP	24V/16V	10%	0.01V	Drive Current : 24mA
Thermocouple	K	0 ~ 1372°C	±1%	1°C	<p>The output or measured temperature cannot be lower than Cold Junction Compensation.</p> <p>Note: The minimum excitation current is 0.5mA and the maximum excitation current is 3mA.</p>
	E	0 ~ 1000°C	±1%	1°C	
	J	0 ~ 1200°C	±1%	1°C	
	T	0 ~ 400°C	±1%	1°C	
	R	0 ~ 1768°C	±1%	1°C	
	B	250 ~ 1820°C	±1%	1°C	
	S	0 ~ 1768°C	±1%	1°C	
N	0 ~ 1300°C	±1%	1°C		
Resistance**		Output 15 ~ 400 Measure 0 ~ 400	±0.2%	0.1	** Only in UCL-60
	Thermal Resistance**	PT-100	-199° ~ 650°C	±0.2%	