

# HIGH PRECISION PRESSURE CALIBRATOR

MODEL : PCAL 1300 / 700



Carrying case



## INTRODUCTION

**Exact Pressure Measurement and Monitoring are Must in Applications Crucial to Operational Safety of Machinery and Industrial Installations.**

**Regular Inspection of the Pressure gauges / sensor / transmitters / indicators Used in these Applications is Absolutely Essential for Economic and Technical - Safety Reasons and is Already Prescribed as Obligatory in Many Sectors.**

## APPLICATIONS

- Energy - Production and Energy -Distribution Sectors
- Glass, Ceramic, Semi Conductor Industries
- Steel Material Processing Industries
- Calibrators laboratories etc.,.

## Descriptions

“SANSEL” PCAL 1300 / 700 is a Micro controller Based Precision Pressure Calibrators Generates True Reference Pressure. Connect the gauge to be Calibrated in the Calibrator. Set the Pressure using respective pump when stabilization.

## Specifications Technical Data

Features	Values
Model	Pcal 1300 / 700 bar
Range (bar)	0 to 700 bar
Pressure media	Oil & Water
Pressure pump	HP – 01
Display	128 x 64 COG Graphic LCD with White LED Back light
Pressure Port	2 x ½” BSP Female
Pump dimension in mm (Approx.)	340 x 240 x 320 (L x H x W)
Resolution (bar)	6 digit user selectable
Instrument Port	¼ BSP Male x 10 mm long
Instrument dimension	100 x 100 x 55 (W x H x D) mm
Instrument Weight	400gms (Approx.)
Stability time	1 to 2 mins
Accuracy	± 0.05%FS
Pressure units * (selectable)	bar, mbar, Mpa, kpa, kg/cm <sup>2</sup> , inHg, cmHg, mmHg, mH <sub>2</sub> O, ftH <sub>2</sub> O, inH <sub>2</sub> O, cmH <sub>2</sub> O, mmH <sub>2</sub> O
Pressure Zero	One touch zero provided on front key
Pressure Peak	Maximum & minimum with user reset option
Pressure overflow	FS X 2 (Max.)
Pressure burst	FS X 3 (Max.)
Temp. Measure	RTD -PT 100 (2,3,4, wire selectable)
Temp. Range	-199.999 to 850.000
mA Measure	0-24 mA (scalable)
Display scale	-99999 to 99999 counts (for mA measure input)
Switch test	Provided
Display Hold	One touch hold provided on front key
Power Supply	9V DC ±5% / 200mAh Rechargeable battery with battery life 4hours with out back light( or) 9V DC adapter /230V AC supply operated
Pump Weight (gms)(Approx.)	7500
Pc Interface	RS 485
Pc Software	Windows based semi automatic calibration software (optional)

Note: Above Specification change without notice \*factory selected units are display which supports to pressure range

(P.T.O)

## Hydraulic high pressure pump

<b>Model</b>	<b>HP- 01</b>
<b>Pressure Range</b>	<b>0 to 700 bar</b>
<b>Pressure Media</b>	<b>Hydraulic 68 grade oil &amp; other oil (optional water)</b>
<b>Pressure Outlet Port</b>	<b>2 x ½” BSP Female thread for UUT &amp; Master</b>
<b>Stability</b>	<b>1 to 2 mins</b>
<b>Weight (Approx.)</b>	<b>7500 gms</b>
<b>Dimension L X H X W</b>	<b>340 x 240 x 320 mm (Approx.)</b>

## Standard Accessories

1. 9V DC Battery charger
2. 9V DC Re-chargeable battery
3. AC to DC adapter
4. Calibration certificate

## Optional

1. Pressure / Vacuum pump
2. Set of adopters
3. Temperature sensors
4. Carrying case
5. NABL Calibration certificate

## SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879  
( Thermal, Mechanical, Electro-Technical, Dimension Parameters )

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