



High Pressure Comparator Kit (Hydraulic)

APCCK SERIES - Advanced Model

Application: Checking and calibration of oil operated sensors, gauges, indicators, controllers, transducers, transmitters, recorders and data loggers

Features

INDICATOR: Loop power supply with mA measurement for transmitter calibration . mA & Voltage measurements . Peak Pressure Measurements (high & low peak) . Switch Test Facility . Graphical Display . Auto Off function for longer battery life . Over pressure Alarm . Feather Touch Keypad . Zero Setting through Keypad . Pressure Units selectable through keypad

PUMP: Compact, hand operated . Built in RAM Pump . Priming pump for larger volume application . Generates pressure through hand operated swirling handle . Reservoir for water / oil . Stainless steel wetted parts . Ideal for Lab / Site calibration . Precise setting . Recommended strictly for water as well as oil applications only

Indicator

Model	Range*	Resolution	Accuracy ¹	Selectable Pressure Units
APCCK 700	0 to 700 bar	0.01 bar	±0.025% F.S.	bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa
APCCK 1000	0 to 1000 bar	0.1 bar	±0.05% F.S.	bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa

*Contact us for other ranges.

Measurements

Facility	Range	Resolution	Accuracy ¹
mA ²	0 to 50 mA	0.001 mA	±0.025% of Reading + 10 µA
Volts	0 to 30 V	0.001 V	±0.025% of Reading + 3 mV

Note 1: Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23±5°C
Note 2: Active loop - Load @ 800Ω

Comparison Pump - CP 1000

Generation of Pressure: Up to 1000 bar
Medium: Water or Hydraulic Oil
End Connection: 1/4" BSP (F) for Test & Master Gauges
Volume of the reservoir: 120 ml
Weight of the Comparator: 10.6 kg
Weight of the Comparator with APC Instrument & Accessories: 11.3 kg
Dimension of the Comparator: 320 mm (W) X 440 mm (D) X 150 mm (H)

Standard Delivery

1. Instrument - 1 no.
2. Comparison Pump - 1 no.
3. Test Lead (2 wire): 2 nos.
4. Charger: 1 no.
5. User Manual: 1 no.
6. Traceable Calibration Certificate
7. Adapters : 1/4" BSP (M) x 1/4" BSP (M)- 1 no., 1/8" BSP (F) - 1 no., 1/4" BSP (F) - 2 nos., 3/8" BSP (F) - 1 no., 1/2" BSP (F) - 1 no.
8. 'O' Rings : To suit 1/4" / 3/8", 1/2" - 5 nos.
9. Metal Washers : To suit 1/4" / 3/8", 1/2" - 3 nos.

Optional

1. RS 232 with RnD CAL-P Software
2. Accredited (NABL) Calibration Certificate as per ISO/IEC 17025:2005 Standard
3. Adaptors: 1/4" BSP (M) x 1/8" NPT (F), 1/4" NPT (F), 3/8" NPT (F) & 1/2" NPT (F)



Over Pressure Alarm	: 5% of Full Scale
Pressure Media	: Compatible to 316 Stainless Steel
Current Terminal Input	
Protection	: Fuse: 100mA / 250V
Display	: Graphical Display
Backlight	: LED Backlight
Power Supply	: Li-ion Rechargeable Battery
Low Battery Indicator	: Yes
Auto Power Off	: 15 minutes
Battery Backup	: 19 hours
Transmitter Supply	: 24V DC±10% (Loop Powered)
Pressure Connection	: 1/4" BSP Female
Operating Temperature	: 10 to 50°C
Instrument Casing	: ABS Plastic
Instrument Dimensions	: 250 mm x 145 mm x 45 mm (LxWxD)
Instrument Weight	: 650 gms

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Manufacturer of
**TEST BENCHES
CALIBRATION INSTRUMENTS**

**ISO 9001
Certified Company**

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

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www.calibrationlab.in