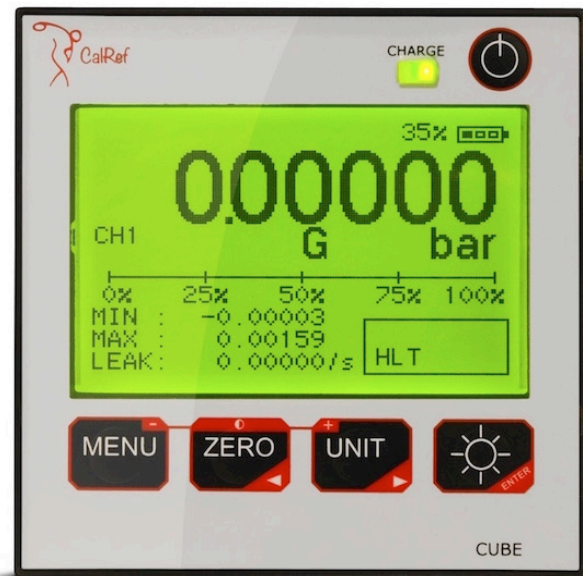


CUBE-P

High Accuracy Digital Pressure Gauge

Accuracy: up to 0.02% FS

The CUBE digital pressure gauge is designed to calibrate pressure instruments: pressure transducers, transmitters, pressure gauges and switches.



General

With the state-of-the-art of microprocessor technology the CUBE-P is the most advanced portable digital pressure gauge in term of accuracy. Fully compensated in the operating temperature range its polynomial characterization grants accurate measurements in every point of each pressure range.

Features

- Pressure ranges up to 400 bar
- Accuracy 0.02 % FS
- Fully temperature compensated (14...122 °F / -10 °C to 50 °C)
- Large LCD display
- Up to 2 pressure channels simultaneously shown
- Active channel selection
- Backlight
- Contrast regulation
- Barometric option available (to switch from gauge to absolute)
- min/Max pressure value continuously displayed

- leak-rate/stability continuously displayed
- Datalogger
- Hold function for a specific pressure value
- Selectable filter weight
- Auto-power off / Auto-backlight off selectable
- Battery charge indication (%)
- Two colours LED for charge status (in charge- end charge)
- Offset selectable
- RS232 connection
- NiMh rechargeable battery

Technical Data

Measuring fluid

- Any fluid compatible with Stainless Steel

Type of material

- Wetted part: Stainless Steel
- Case: aluminium nickel-plated

Operating pressure port

- Tube Diam 6/4 or 1/4" BSP female

Serial Port

- RS-232 connection (9 pin connection in the rear panel)

Power supply

4 rechargeable AAA NiMh batteries
 Power supply adapter: 230 Vac - 9 V dc
 Power supply connector on the rear panel
 – 9 V dc - 600 mA

Temperature

- Compensated Temperature: 14°F to 122°F (-10°C...50°C)
- Storage Temperature: -4°F to 158°F (-20°C to 70°C)
- Humidity: <95%

Example of pressure ranges

Code	Range [bar]	Resolution	Overpr.
101B	0.75...1.150 bar abs	0.00001 bar	120 % FS
101C	-1...1 bar g	0.00001 bar	120 % FS
101G	0...1 bar g	0.00001 bar	120 % FS
101A	0...1 bar abs	0.00001 bar	120 % FS
701G	0...7 bar g	0.00001 bar	120 % FS

2nd ch.

Code	Range [psi]	Resolution	Overpr.
101B	-14...15 psi g	0.00001 bar	120 % FS
101G	0...15 psi g	0.00001 bar	120 % FS
101A	0...15 psi abs	0.00001 bar	120 % FS
701G	0...100 psi g	0.00001 bar	120 % FS

Other ranges on request. See table next

Measuring unit:

20 measuring unit:

mbar - bar - Pa - hPa - kPa - MPa - kg/cm²
 - kg/m² - mmHg - cmHg - mHg - mmH₂O
 - cmH₂O - mH₂O - torr - atm - psi - inHg
 - inH₂O - ftH₂O
 (Hg@0 °C; H₂O @ 4°C; p_{atm} = 101325 Pa)

Dimensions: 96 x 96 x 96 mm

Weight: 0.5 kg

Scope of delivery

- Digital pressure gauge CUBE-P
- Calibration report
- Instruction manual

Options

- Carrying case
- Set of adapters
- Flexible Hose 1 m ¼ BSP F swivel – ¼ BSP M (or ¼ NPT M)
- Hand pump for pressure generation
- Other measuring ranges (please contact us)
- Calibration certificate by our EA authorized laboratory (Accredia, DAkkS, Cofrac, etc.)

Ordering code for CUBE-P

Model	CUBE-P-	-	-	-	-	-	-	-	-	-	-	-	-
One pressure channel	1												
Two pressure channels	2												
One pressure and one temperature channel (Pt100)	3												
Pressure range 1 - 2													
barometer: 0.75...1.15 bar abs	1	0	1	B	1	0	1	B					
-200...200 mbar g	2	0	0	C	2	0	0	C					
0...500 mbar g	5	0	0	G	5	0	0	G					
-1...1.5 bar g	1	0	1	C	1	0	1	C					
0...1 bar g	1	0	1	G	1	0	1	G					
0...1 bar a	1	0	1	A	1	0	1	A					
0...7 bar g	7	0	1	G	7	0	1	G					
0...20 bar g	2	0	2	G	2	0	2	G					
0...100 bar g	1	0	3	G	1	0	3	G					
0...200 bar g	2	0	3	G	2	0	3	G					
0...400 bar g	4	0	3	G	4	0	3	G					
0...700 bar g	7	0	3	G	7	0	3	G					
Pressure mode													
gauge				G				G					
bidirectional				C				C					
barometric				B				B					
absolute				A				A					
Accuracy													
0.1 %								0					
0.05 %								1					
0.02 %								2					
Panel mounting													
with								1					
without								0					
Accredited calibration certificate													
with								1					
without								0					
Pt 100 4-wire													
with								1					
without								0					
Serial cable													
with												1	
without												0	
Carrying case													
with													1
without													0

We reserve the rights to alter at any time the technical specifications without notice.

WHITE PAGE