

# P100

## Digital Pressure Gauge

## Data Sheet



### FEATURES

- 0.05 % Full scale accuracy
- Pressure ranges from 1 bar to 2500 bar
- Gauge, and absolute ranges
- 5 selectable pressure units
- Wide choice of Pneumatic and Hydraulic Test Kits
- IP 67 Protection Class
- Optional RS232 and Software

### DESCRIPTION

High precision digital pressure gauge calibrator with an accuracy of 0.05% of full scale available in pressure ranges from 1 bar trough 2500 bar with a wide choice of pressure ranges, gauge, vacuum and absolute. The P100 high accuracy digital pressure gauge features 5 selectable pressure units, zero tare & peak hold display functions . P100 is supplied as a standalone digital process indicator or in hydraulic or pneumatic test kits with our PGS range of hand help pressure pumps to be used as high accuracy pressure calibrator for calibrating pressure gauges, pressure transducer and pressure switches

### Technical Specifications

Range code	Range	Resolution	Over Pressure
1G	-1 to 1 bar	0.0001	150% FS
2.5G	-1 to 2.5 bar	0.0005	150% FS
5G	-1 to 5 bar	0.0005	150% FS
7G	-1 to 7 bar	0.001	150% FS
10G	-1 to 10 bar	0.001	150% FS
20G	-1 to 20 bar	0.001	150% FS
40G	-1 to 40 bar	0.001	150% FS
60G	-1 to 60 bar	0.001	150% FS
100G	0 to 100 bar	0.01	150% FS
135G	0 to 135 bar	0.01	150% FS
250G	0 to 250 bar	0.02	150% FS
350G	0 to 350 bar	0.05	150% FS
700G	0 to 700 bar	0.05	150% FS
1KG	0 to 1000 bar	0.1	150% FS
1.5KG	0 to 1500 bar	0.2	150% FS
2KG	0 to 2000 bar	0.5	150% FS
2.5KG	0 to 2500 bar	0.5	150% FS

**Accuracy 0.05:** 0.05% FS include linearity and hysteresis

**Special Function :** Min/MAX/TARE/ZERO/FILTER

**Temperature range:** 0 to 50°C

**Temperature coefficient:** 0.002 % rdg/°C

**Calibrated temperature:** 23 C°

**Compensated temperature range:** 0 to 50°C

**Pressure media:** all liquid and gas compatible with AISI 316 (non corrosive)

**Wetted part:** SS Inox 17-4 PH

**Pressure unit:** mbar, bar, KG/CM2, KPa, psi

**Pressure connection:** 1/2 " BSP male for all ranges

**Storage temperature:** -10 °C to 60°C

**Display:** graphic, custom LCD display, 16 mm height

**Sealing:** IP 65

**Power supply:** 2X AA size alkaline battery (1 year autonomy)

**Physical:** aluminium case, 86X85X44 (P100 only)

**Conformity:** 89/336/CEE-93/68/CEE-72/23/CE, EN61010(2001)-EN61326-1-EN 61326/A1

**Warranty:** 1 year (battery not included)

# P100

## Hydraulic and Pneumatic Test Kits

### P100 HYDRAULIC TEST KITS

#### Pressure Pump Specifications

Eiuk Hydraulic Pressure Pumps are especially designed and manufactured to work in expose conditions- Each pump has built-in OIL/WATER reservoir, pressure hose, vent valve and volume control. The Pump has a dual output, one for the unit under test and one for the P100 Calibrator

Pressure Range (PGS700)	0 to 700 bar
Pressure Range (PGS1000)	0 to 1000 bar
Type	Hydraulic
Media	OIL/WATER
Wetted Parts	Brass/SS 316
Volume control	1 mbar
Hose Extention	1 meter
Test Point connection	1/4 " BSP F
Reference Port Connection	1/2" BSP F

#### Hydraulic kit Standard delivery

- P100 High Accuracy Digital Indicator
- PGS700 for range up to 700 bar
- PGS 1000 for 1000 bar range
- HTH-1000 high pressure flexible hose
- Set of Seal
- SET of BSP or NPT
- Robust transit Case
- Calibration Certificate



### P100 PNEUMATIC TEST KITS

#### Pressure Pump Specifications

EiUK Pneumatic pump can generate both Vacuum and pressure up to 60 bar. It takes only seconds to switch between pressure and vacuum. Each pump has built-in vent valve and volume control for reaching the desire pressure. The Pump has a dual output, one for the unit under test and one for the P100 Calibrator

Range (PGS40)	- 960mbar to 40 bar
Range (PGS60)	Vacuum to 60 bar
Type	Pneumatic
Media	AIR
Wetted Parts	Brass/Aluminium
Volume control	1 mbar
Hose Extention	1 meter
Test Point connection	1/4 " BSP F
Reference Port Connection	1/2" BSP F

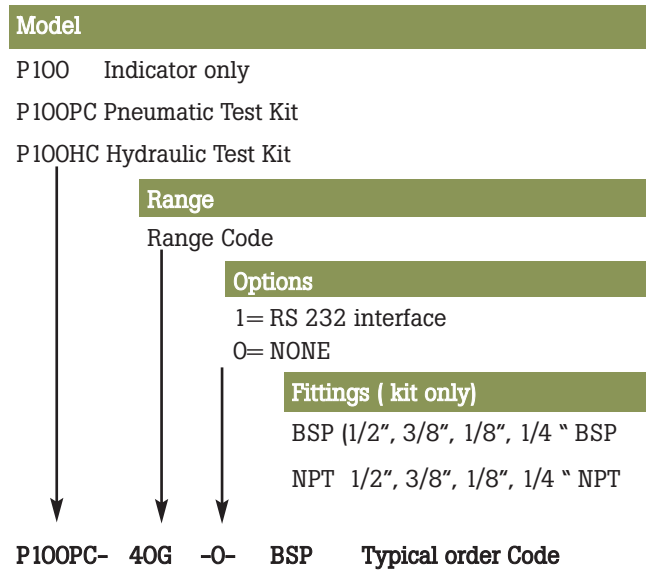
#### Pneumatic kits standard delivery

- P100 High Accuracy Digital Indicator
- PGS40 Pump for range up to 40 bar
- PGS 60 Pump for 60 bar range
- 1 mt flexible hose
- Set of Seal
- Set of BSP or NPT
- Robust transit Case
- Calibration Certificate





## Ordering Information



## Pressure Ranges Code

Range code	Range	Pump Supplied (KIT)
1G	-1 to 1 bar	PGS 40
2.5G	-1 to 2.5 bar	PGS 40
5G	-1 to 5 bar	PGS 40
7G	-1 to 7 bar	PGS 40
10G	-1 to 10 bar	PGS 40
20G	-1 to 20 bar	PGS 40
40G	-1 to 40 bar	PGS 40
60G	-1 to 60 bar	PGS 60
100G	0 to 100 bar	PGS 700
135G	0 to 135 bar	PGS 700
250G	0 to 250 bar	PGS 700
350G	0 to 350 bar	PGS 700
700G	0 to 700 bar	PGS 700
1KG	0 to 1000 bar	PGS 1000



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