

PGS60

Calibration Hand Pump

Data Sheet

PGS60



HIGHLIGHTS

- Vacuum-960 mbar (28 inHg)
- Pressure Range 60 bar (870 psi)
- 1 mbar sensitivity
- Integrated Volume Control
- Integrated Relief Valve
- Adjustable Over Pressure limiter

SPECIAL FEATURES

- Adjustable stroke length can be set to limit the pressure per stroke
- Field Replaceable seal Kit
- Robust change over valve for vacuum/pressure generation
- Hand Tight pressure connection, no need of Teflon or spanners.
- Fine volume control can be used as stand alone low pressure generation system
- Needle Valve for controlled pressure release
- 360 C swivel head for optimal viewing of the reference instruments.

DESCRIPTION

The EiUK PGS 60 is an hand operated pneumatic test pump capable of generating pressure in excess of 60 bar(870 psi) and vacuum down to 96 %.It is designed to be used in conjunction with a precision indicator or a test gauge which is directly mounted on the reference port on the top of the pump. The instruments under test (UUT) is connected to the test hose supplied with the standard delivery

Calibration Test Kits

The PGS60 Calibration Hand Pump can be supplied as complete Test Kits including Pump, Set fo adapters, set of seals and robust carrying case. A wide selection of referemnce instruments are available to match customer individual needs.



PGS60 Pump KIT- Gauges not included

Pneumatic Test KIT, -1 to 60 bar, BSP Include:

- PGS60-OEM Calibration Hand Pump
- 0.5 hose with 1/4 "BSP F (Test Point)
- 1/2" & 1/4" BSP Swivel adapter for reference
- Set of Brass Adapter: 1/8, 3/8 and 1/2 INCH BSP and seal KIT
- Robust ABS transit case

Ordering Code: PGS60-P-BSP

Pneumatic Test KIT, -1 to 60 bar, NPT Include:

- PGS60-OEM Calibration Hand Pump
- 0.5 hose with 1/4 "BSP F (Test Point)
- 1/2" BSP F Swivel adapter for reference
- 1/4" NPT F Swivel adapter for reference
- Set of Adapter: 1/8, 1/4, 3/8 ,1/2 F NPT
- Robust ABS transit case

Ordering Code: PGS60-P-NPT

TECHNICAL SPECIFICATIONS

Calibration Hand Pump	PGS60-OEM	PGS60-OEM-N14
Vacuum Range:	-960 mbar (28InHg)	
Pressure Range:	60 bar (870 psi)	
Pressure media:	air	
Fine adjustment resolution:	1 mbar	
Reference Pressure Port	1/2 inch BSP F swivel adapter	1/4 inch NPT F
Test Point Pressure Port	flexible test hose with 1/4 inch BSP female connection	flexible test hose with 1/4 inch NPT female connection
Weight:	510 grams (aprox)	
Dimension	290x185x65 mm (aprox)	
Material:	Aluminium, brass, ABS, NBR	
Standard Supply:	Pressure Pump, Flexible Test Hose, instruction Manual	
Ordering Code:	PGS60-OEM	PGS60-OEM-N14

Ordering Information

Model	Description
PGS60-OEM	Calibration Hand Pump. Range: -960 mbar to 60 bar
PGS60-OEM-N14	Calibration Hand Pump. Range: -960mbar to 60 Bar, NPT
Accessories	
PGS-C-VOL	PGS40/60 Volume Extender
PGS40-CASE-00	Transit Case for PGS 40/PGS60
Test Point Adapter Set	
PGS40-A-BSP	Set of Brass Adapter: 1/8, 3/8 and 1/2 INCH BSP female
PGS-NPT	Set of NPT Adapter: 1/8, 1/4, 3/8 and 1/2 NPT INCH female
PGS-M	Set of Metric Adapter: M12x1.5, M20x1.5
Reference Port Adapters (additional)	
PGS-G14I-G38A	Adapter: G 1/4 Female for PGS40/60/700/1000 Reference port
PGS-N14I-G38A	Adapter: 1/4 NPT Female for PGS40/60/700/1000 reference port
PGS40-ASS-G14	Adapter: G 1/4 Female swivel for PGS 40/60
Spares	
PGS40-HKIT	Spare: PGS60 complete hose assembly (G14 Female end)
PGS60-SK	Spare: Service Seal KIT
PGS40-VKIT	Spare: PGS40/PGS60T/PGS60 Volume assembly
Test KIT's	
PGS60-P-BSP	Calibration test Kit, include PGS60-OEM pump, BSP adapter set, set of seals and robust transit case
PGS60-P-NPT	Calibration test Kit, include PGS60-OEM pump, NPT adapter set, set of seals and robust transit case

Reference Instruments for PGS40/60/60T

P100 Digital Pressure Indicator

Gauge Ranges	-1 to 2.5, 5,7,10,20,40 and 60 bar
Absolute Ranges	1, 2.5, 5 and 10 bar
Accuracy	0.05 % FS
Resolution	5 Digits
Units	mbar, bar, Pa, psi, Kg/CM2
Connection	1/2" BSP M (Fit on the Top of Pump)
Digital communication	RS232 Optional



P12 Digital Pressure Indicator (ATEX)

Gauge Ranges	-1 to 2, 3.5,7,10,20,40 and 60 bar
Absolute Ranges	1 to 2, 3.5,7,10,20,40 and 60 bar
Accuracy	0.05 % FS
Accuracy	0.1 % FS for absolute ranges
Resolution	5 Digits
Units	Pa, kPa, MPa, Kg/cm2, inH2O, mmH2O, psi, mbar, bar
Connection	1/2" BSP M (Fit on the Top of Pump)
Digital communication	RS232 standard
ATEX (option)	Ex II 1 G, EEx ia IIC T4



G10 Analogue Pressure Gauge

Ranges	0 to 2, 11, 25, 40, 60 or -1 to 0 bar
Diameter	63 mm
Klass	1 %
Scale	dual bar and psi
Connection	1/2" BSP M (Fit on the Top of Pump)



G10-KL 06 Analogue Pressure Gauge

Range	0 to 40, 0 to 60 or -1 to 0 bar
Diameter	100 mm
Klass	0.6 %
Scale	dual bar and psi
Connection	1/2" BSP M (Fit on the Top of Pump)





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