

# PGS700/PGS1000

## Hydraulic Hand Pumps

### Features

- PGS 700 Pressure Ranges: 0-700 Bar ( 10000 psi)
- PGS1000 Pressure Range: 0-1000 bar ( 15000 psi)
- Suitable for working with Water and mineral water
- Quick priming and high pressure generation
- Large Plexiglas reservoir which can be refilled during operation for large volume.
- Extra fine volume adjuster
- Controlled pressure relief valve
- High Pressure hose designed for low expansion and high pressure operation ( nominal pressure 1500 bar)
- Supplied as pump only or complete pressure test kit with adapter set and carrying case
- Wide choice of reference pressure indicators.



### Description

The PGS 700/PGS1000 are high quality pressure test pump designed to quickly generate hydraulic pressures up to 1000 bar. The pump include a selector to operate in priming mode which greatly reduce the effort required to generate high pressures.

The exact pressure value can be achieved using the volume adjuster which provide a very fine pressure adjustment.

The PGS 700/PGS1000 is one of the few calibration hand pump which is supplied with high pressure matching hose with a nominal working pressure of 1500 bar and burst pressure of 2500 bar.

EiUK offer a wide range of digital and analogue pressure

Model	PGS700	PGS1000	PGS700-N14	PGS1000-N14
Pressure Range	0-700 bar	0-1000bar	0-700 bar	0-1000 bar
Reference Port connection	1/2" BSP Female rotating		1/4 NPT Female	
Test Point Adapter	1/4 BSP Female rotating		1/4 NPT Female	
Standard Test Hose	1 mt high pressure hose with 1/4 BSP Female test point adapter		1 mt high pressure hose with 1/4 NPT female test point adapter	
Media	Mineral oil or/and standard water			
Material	Aluminium, brass, ABS, Plexiglas, NBR			
Reservoir Capacity	> 200 cm <sup>3</sup> , we can be re-filled during pump operation			
Dimension	270 x 160 x 120 mm ( with-out test hose)			
Weight	Approximately 1.3 Kg			

## Hydraulic Tests KITS

### Hydraulic Test Kit (BSP)

Each kit include PGS 700 or PGS1000 pressure test pump complete with hose, 1/2 " BSP adapter for reference port, 4 stainless steel adapter for test point ( 1/4", 3/8", 1/2", 1/8" BSP female), set of seals and robust carrying case with close cells.

### Hydraulic Test Kit (NPT)

Each kit include PGS 700 or PGS1000 pressure test pump complete with hose, 1/4 " NPT adapter for reference port, 4 stainless steel adapter for test point ( 1/4", 3/8", 1/2", 1/8" NPT female), robust carrying case with close cells.



PGS700/1000  
Hydraulic Test



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## Ordering Information

### Pumps and hose

PGS700	Pressure test pump and hose BSP, 700 bar
PGS700-N14	Pressure Test pump and hose, NPT, 700 bar
PGS1000	Pressure Test pump and hose, BSP, 1000 bar
PGS1000-N14	Pressure Test pump and hose, NPT, 1000 bar

### Hydraulic Test KITS

PGS700-H-BSP	Hydraulic Test Kit, 700 bar, Pump, HTH hose, BSP adapters, seals case
PGS700-H-NPT	Hydraulic Test Kit, 700 bar, Pump, HTH hose, NPT adapters, case
PGS1000-H-BSP	Hydraulic Test Kit, 1000 bar, Pump, HTH hose, BSP adapters, seals, case
PGS1000-H-NPT	Hydraulic Test Kit, 1000 bar, Pump, HTH hose, NPT adapters, case

### Spare Adapters ( for test point)

PGS-A-BSP	Set of BSP adapters for test point 1/4," 3/8", 1/8", 1/2" BSP Female
PGS-A-NPT	Set of BSP adapters for test point 1/4," 3/8", 1/8", 1/2" NPT Female
PGS-A-M	Set of METRIC adapter for test point M20x 1.5 & M12 x 1.5
PGS-A-G14A-G14A	1/4 BSP M to 1/4" BSP M adapter
PGS-A-G14A-G18A	1/4 BSP M to 1/8" BSP M adapter

### Spare Adapter for Reference Port

PGS-A-N14-38A	3/8" BSP M to 1/4 NPT Female
PGS-A-G14-38A	3/8" BSP M to 1/4 BSP Female

## Reference Instruments for PGS 700/PGS1000



**P100 Digital Pressure Indicator**  
Accuracy  $\pm 0.05$  %FS  
Selectable pressure Unit:  
bar, mbar, PSI, KG/cm2, Kpa  
Ranges Available:  
0-350, 0-700, 0-1000 bar  
Process Connection: 1/2" BSP M



**P11 EX Digital Pressure Indicator ( ATEX)**  
Accuracy  $\pm 0.1$  %FS  
Selectable pressure Unit:  
bar, mbar, PSI, KG/cm2, KpA  
Ranges Available:  
0-300, 0-700, 0-1000 bar  
Process Connection: 1/4" BSP M



**G10 Analogue Pressure Gauge**  
Accuracy 0.6 % FS up to 600 bar, 1% for 1000 bar range  
Diameter : 100 mm  
Scale dual scale PSI/BAR  
Ranges Available  
160, 400, 600, 1000 bar  
Process Connection: 1/2" BSP M

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