

# HTP1 Pressure Test System



700 bar / 1000 bar Hydraulic Pressure ( oil or water )



*A new Pressure Test System- HTP1 has been developed by SI to join the existing well established family of Pressure Calibration products.*

*HTP1-700 and HTP1-1000 are lightweight, easy to use and can generate pressures up to 700 bar / 1000 bar. HTP1 is well suited for calibrating pressure transmitters, pressure transducers, pressure switches and pressure gauges.*

*HTP1 can be used as a Portable Pressure Comparator in conjunction with various pressure indicating devices.*

*The system offers adjustable over pressure protection, fine control, and a unique selector switch to move from priming to high pressure*

## FEATURES

- Hydraulic Pressure up to 700 bar / 1000 bar !
- Sealed Construction - NO LEAKS ! NO RUST !
- Lightweight, hand held and easy to use.
- Optional over pressure protection system ( via adjustable relief valve )
- Quick priming and pressure generation using scissor action pump.
- High pressure / priming selector.
- Fine adjustment control.
- Pressure release valve.
- Large see-through reservoir with a capacity of over 100cc.
- Compatible with many different liquids. e.g. mineral oil, distilled water. ('Skydrol' / Brake fluid option also available ).
- Supplied with carrying case.
- Optional accessories include a set of adaptors and a flexible hose with quick fit connectors suitable for many applications.



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CERTIFICATE No. FM 20157



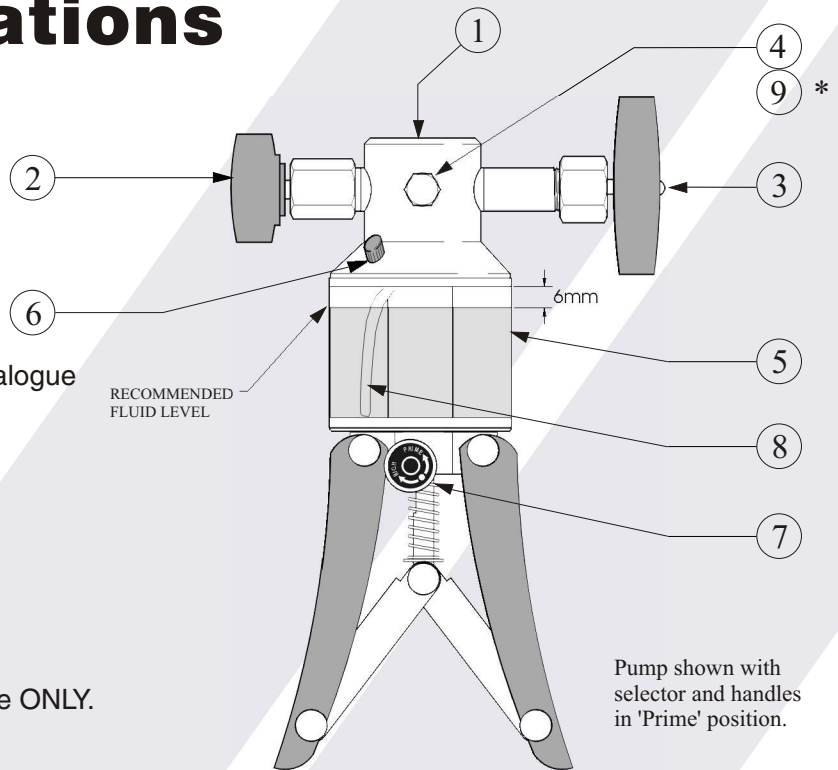
# HTP1 Specifications



PRIME / HIGH PRESSURE  
SELECTOR

## KEY:

1. 3/8" BSP Female connection to take master instruments. e.g. PC6 Calibrator, Digital / Analogue indicators.
2. Pressure release valve.
3. Fine control.
4. Front port: 1/4" BSP female to take optional Quick-fit connection and flexible hose.
5. 100cc's Reservoir.
6. Reservoir filling plug.
7. Priming / High pressure selector.
8. Fluid inlet tube
9. Rear port: Reserved for Pressure Relief Valve ONLY.  
(\* Do not use for any other purpose)



## Specification:

**Pressure range:**

0 to 700 bar / 0 to 1000 bar max. ( 10,000 PSI / 14,500 psi ).

**Pressure media:**

Mineral based Hydraulic Oil (DW6292 shown below)  
Distilled water  
( 'Skydrol' and brake fluid option available HTP1-S )

**Pressure connections:**

3/8" BSP female.  
1/4" BSP female. ( blanked off )  
Quick fit connector to suit flexible hose. ( see optional accessories below ).

**Dimensions:**

L 236mm x W 159mm x D 70mm; approx. 1.6kg in weight.

**Master Instruments available to suit HTP1-700, HTP1-1000:**

**Pressure Calibrator (PC6)**

**Accuracy FS:**

**0.05%**

**Digital Indicator (DTG-30)**

**0.5%**

**4" Analogue Gauges (HTPG)**

**0.5%**

## Order Codes:

**HTP1-700, HTP1-1000**

Hydraulic Pressure Test System in compact carrying case.

**PRV12-X-HTP1**

4 Ranges of Pressure Relief Valve: 10-50bar, 50-200bar, 200-400bar, 300-700bar

**PC6**

A range of Pressure Calibrators available between -1 and 1000bar (14,500psi)

**DTG30 - range**

A range of Digital Indicators up to 1000 bar (14,500psi) accuracy 0.5%

**HTPG-1/2/3/4**

4 ranges of Analogue Gauge 0.5% accuracy between 0 and 1000 bar (14,500psi)

**HTPA-700, HTPA-1000**

Set of 7 adaptors-1/4"BSP male to 1/8", 3/8", 1/2"BSP and NPT female adaptors.

**HK1**

1m Long flexible hose & gauge adaptor with 'quick-fit' connections (oil).

**HK1-W**

1m Long flexible hose & gauge adaptor with 'quick-fit' connections (water).

**HK1-1000**

1m Long self-sealing hose assembly for use with oil or water ( 1000 bar / 14500 psi working pressure ).

**HTPK1**

Service kit containing a set of seals.

**DW6292**

1 Litre can of hydraulic oil.

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