



**Hand Test Pump HTP1  
hydraulic operated  
(Oil or distilled Water)  
for generating pressure  
up to 700 or 1000 bar**

The hydraulic hand held test pump HTP1 has been designed for easy to use pressure calibration equipment „in the field“, for testing pressure gauges, pressure transmitters, pressure switches etc. Pressure up to 700 bar (or 1000 bar) can be reached in a simple way, using the new „Prime/High pressure“-Selector.  
Reference instruments as test pressure gauges (analogue and digital), electronic calibrators (TLDMM or PC6-Pro-C) can be mounted directly on the top of the HPT1.  
High quality construction, no leakage.



**Optional Accessories:**

- Overpressure-protection PRV12 (see datasheet „PRV12“)
- Set of 7 adaptors (see back side)
- High Pressure Hose HK1-1000 (see datasheet “HK1-1000“)
- Electronic Pressure Calibrator TLDMM ( $\pm 0.05\%$  FS) or PC6-Pro-C ( $\pm 0.025\%$  FS)
- Digital reference gauges Accuracy 0.5%-0.2% FS (see datasheets “DTG-35” and “TDMC”)
- Analogue reference gauges (Accuracy % FS: 0.6 / 0.25 / 0.1)



Prime-/High Pressure-Selector

**Specification:**

Pressure connections: 3/8" BSP female for reference instrument  
1/4" BSP female at optional high pressure hose HK1-1000  
Special connection for overpressure-protection PRV12

Liquid reservoir: 100 ccm (filling during generating pressure possible)

Construction: High quality, no leakage.

Pressure adjustment: Pressure fine control and pressure release valve.

Dimensions / Weight: appr. 236 x 159 x 70 mm (L x W x D) / appr. 1.8 kg

**Special versions for brake fluid / Skydrol available on request.**





# Hand Test Pump HTP1 (hydraulic) Generating pressure up to 700 or 1000 bar

# HTP1

## Available Types:

Type	Generating pressure up to	Order-Code
HTP1-700	700 bar (10,000 PSI)	210.0.000.0700.0
HTP1-1000	1000 bar (14,000 PSI)	210.0.000.1000.0
H-Kit	Plastic case with foams, set of seals (teflon), set of adapters (1/8", 3/8", 1/2" BSP threads), filling bottle for HTP1	210.9.000.0700.0

## Accessories:

Type	Description	Order-Code
PRV12-1	Overpressure Protection (see datasheet "PRV-12") (protects reference <b>and</b> unit under test) Adjustable range: 10 to 50 bar	210.9.000.0700.6
PRV12-2	ditto, adjustable range 50 to 200 bar	210.9.000.0700.7
PRV12-3	ditto, adjustable range 200 to 400 bar	210.9.000.0700.8
PRV12-4	ditto, adjustable range 300 to 700 bar	210.9.000.0700.9
PRV12-5	ditto, adjustable range 600 to 1000 bar	210.9.000.0701.0
HK1-1000	Flexible high pressure hose, 1 m, Quick-Fit, (see datasheet) nominal pressure 1000 bar, burst pressure 3000 bar	210.9.000.1000.0
DW6292	Hydraulic Oil, 1 L	215.9.000.6292.0
HTPK1	Service-Kit (with complete set of seals)	210.9.000.0700.3
HTPG40	Reference Pressure Gauge (analogue) DS 100, Accuracy $\pm 1\%$ Range 0 - 40 bar	019.1.100.0040.0
HTPG60	ditto, Range 0 - 60 bar	019.1.100.0060.0
HTPG100	ditto, Range 0 - 100 bar	019.1.100.0100.0
HTPG160	ditto, Range 0 - 160 bar	019.1.100.0160.0
HTPG250	ditto, Range 0 - 250 bar	019.1.100.0250.0
HTPG400	ditto, Range 0 - 400 bar	019.1.100.0400.0
HTPG600	ditto, Range 0 - 600 bar	019.1.100.0600.0
HTPG1000	ditto, Range 0 - 1000 bar	019.1.100.1000.0
01-0633	Adaptor for connecting HTPG-gauges or other reference instruments with 1/2" BSP M thread to the HTP1	210.9.000.0700.4
TLDMM PC6-Pro-C	Electronic Pressure Calibrator $\pm 0.05\%$ Electronic Pressure Calibrator $\pm 0.025\%$ (see datasheet "TLDMM" and „PC6-Pro-C“)	
DTG-35	Digital Reference Gauge $\pm 0.5\%$ (see datasheet „DTG-35“)	
TDMC	Digital Reference Gauge $\pm 0.2\%$ (see datasheet "TDMC")	
17.1	Analogue Reference Gauge $\pm 0.6$ (see datasheet „17.1“)	
01.17	Analogue Reference Gauge $\pm 0.25$ (see datasheet „01.17“)	
01.27	Analogue Reference Gauge $\pm 0,1$ (see datasheet „01.27“)	



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