

Calibration Test Pump LPP 700

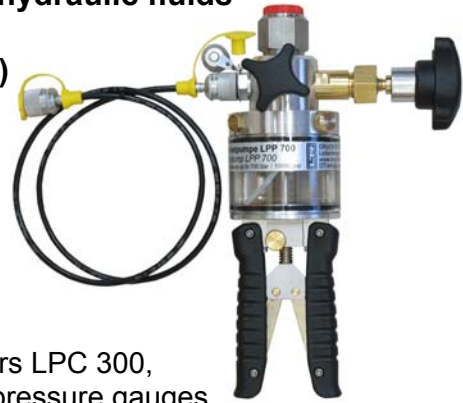
- hydraulic operated (suitable for mineral oil based hydraulic fluids or clean water, free of calcium-carbonate / scale)
- generating test pressure up to 10 000 PSI (700 bar)
- test hose MINIMESS® included

The portable Calibration Test Pump **LPP 700** has been designed for easy to use pressure calibration equipment "in the field", for testing pressure gauges, pressure switches and pressure transmitters. 10 000 PSI (700 bar) can be reached in a simple way, using the "prime/high pressure" selector.

Reference instruments such as electronic pressure calibrators LPC 300, LPC 200 and TLDMM as well as precision digital reference pressure gauges as TLDMM-A01, TLDMM-A02 and LDM 70 can be mounted directly on the top of the **LPP 700**.

High quality construction, no leakage.

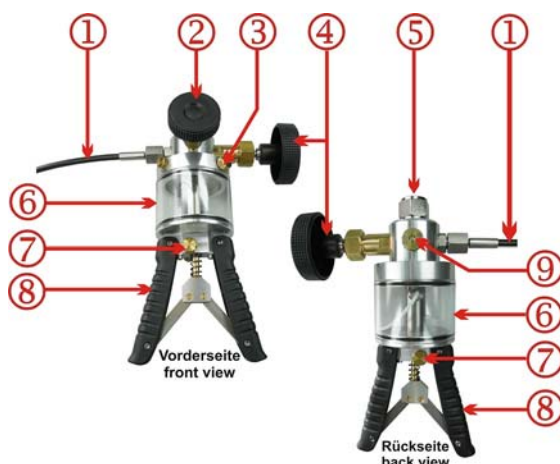
The Calibration Test Pump **LPP 700** is supplied including a test hose (MINIMESS® 1620), length 1 m, with 1/4" BSP F port.



Specification:

Pressure ports:	for reference instrument: 1/2" BSP female, rotating, at the top of the pump. After dismounting of the 1/2" BSP swivel, you have a 3/8" BSP female thread, suitable for a lot of special reference instruments
	for test item: MINIMESS® hose (length 1 m), with coupling to 1/4" BSP female thread
Liquid reservoir:	200 cm ³ (re-filling during pressure generation possible)
Construction:	High quality, no leakage, robust, portable, easy to handle
Pressure adjustment:	Pressure fine control and pressure release valve.
Dimensions / weight:	appr. 270 x 160 x 120 mm (without hose) / appr. 1.3 kg (without hose)

Control elements LPP 700:




- (1) = flexible hose MINIMESS® 1620
- (2) = Pressure release valve, fine adjustable
- (3) = Liquid reservoir filling plug
- (4) = Fine control (volume adjustment)
- (5) = 1/2" BSP female rotating reference port
- (6) = Liquid reservoir
- (7) = Priming / high pressure switching knob
- (8) = Pump handles
- (9) = Blind plug, never open!

Available Types:

Type	Generating pressure up to	Order-Code
LPP 700	10 000 PSI (700 bar), suitable for mineral oil based hydraulic fluids or clean water, free of calcium-carbonate / scale. Not suitable for distilled water or water based hydraulic fluids.	LPP-700

Accessories:

Type	Description	Order-Code
Case	Plastic case with foams, for LPP 700, hose, adapters and reference instrument	LPP-H-KOFFER
Adapter BSP	st.st. Adapter set (BSP) incl. spare O-rings, for test specimen port: 1/8" BSP, 3/8" BSP, 1/2" BSP M & F	LPP-ADAPTER-BSP
Adapter NPT	st.st. Adapter set (NPT), for test specimen port: 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT	LPP-ADAPTER-NPT
Adapter metric	st.st. Adapter set (metric) incl. spare O-rings, for test specimen port: M 12 x 1.5 and M 20 x 1.5	LPP-ADAPTER-M
Service	Service kit (seals, gaskets, ...) for LPP 700	LPP-H-WARTUNG
Fluid	Special operating oil for LPP 700 (1 l bottle)	CPB5000-FLUID
Analogue referenz-pressure gauge LPP-MANO 	Analogue reference pressure gauge DS 100 mm (4") Dial with fine graduation, knife pointer, pressure port 1/2" BSP male, range 0 - 60 bar / 0 - 800 PSI Accuracy $\pm 0.6\%$ f.s.	LPP-MANO-0060
	Ditto, 0 - 100 bar / 0 - 1400 PSI, accuracy $\pm 0.6\%$ f.s.	LPP-MANO-0100
	Ditto, 0 - 160 bar / 0 - 2000 PSI, accuracy $\pm 0.6\%$ f.s.	LPP-MANO-0160
	Ditto, 0 - 250 bar / 0 - 3000 PSI, accuracy $\pm 0.6\%$ f.s.	LPP-MANO-0250
	Ditto, 0 - 400 bar / 0 - 5000 PSI, accuracy $\pm 0.6\%$ f.s.	LPP-MANO-0400
	Ditto, 0 - 600 bar / 0 - 8000 PSI, accuracy $\pm 1.0\%$ f.s.	LPP-MANO-0600
	Ditto, 0 - 1000 bar / 0 - 14500 PSI, accuracy $\pm 1.0\%$ f.s.	LPP-MANO-1000
MINIMESS hose in other lengths	MINIMESS® 1620 hose, length 2.0 m	MMS-M16X2-2-0
	MINIMESS® 1620 hose, length 3.2 m	MMS-M16X2-3-2
	MINIMESS® 1620 hose, length 4.0 m	MMS-M16X2-4-0

Recommended precision reference pressure instruments:

	Accuracy:
• Electronic process calibrator LPC 300	$\pm 0.025\%$ f.s.
• Electronic pressure calibrator LPC 200	$\pm 0.025\%$ f.s. / $\pm 0.1\%$ m.v.
• Electronic pressure calibrator TLDMM	$\pm 0.05\%$ f.s.
• Digital precision reference pressure gauge TLDMM-A01	$\pm 0.1\%$ f.s.
• Digital precision reference pressure gauge TLDMM-A02	$\pm 0.2\%$ f.s.
• Digital test pressure gauge LDM 70-E25	$\pm 0.25\%$ f.s.
• Digital test pressure gauge LDM 70-K50	$\pm 0.5\%$ f.s.