Rel. 20241205

Pressure Test Pump LR-*Cal* LPP 10, pneumatic operated

Generating pressure up to +10 bar (145 psi), switchable to generating vacuum down to -0.85 bar (-25 inHg)

The pressure test pump **LR-*Cal* LPP 10** is used to generate pressure and vacuum for checking, adjusting and calibrating mechanical and electronic pressure measuring instruments by comparative measurements in the low-pressure and vacuum range. There pressure tests may be carried out in laboratories, workshops or on site at the measuring point.

If the instrument to be tested and a sufficiently accurate reference measuring instrument are connected up to the pressure test pump, the same pressure is applied to the two measuring instruments when the pump is operated. By comparing the two measure values at random pressure values, the accuracy can be verified or the unit under test can be adjusted.

The **LR-*Cal* LPP 10** is a pneumatic pressure test pump for low-pressure ranges up to 10 bar with change-over switch to vacuum down to -850 mbar. Despite its compact dimensions, the pressure test pump is easy to operate and allows for exact generation of the required test pressures. The maximum pressure or vacuum achievable depends on the attached test volume. The smooth-running pressure generation and the integrated fine adjustment valve allow a safe and precise setting of very small positive resp. negative pressure values in the range of mbar. The unit under test and the reference instrument can be easily connected with the supplied accessories (T-piece and two pieces of pressure hose with threaded adapters).

Specification:

Pressure:	0 to 10 bar = 0 to 145 psi, switchable to
Vacuum:	0 to -0.85 bar = 0 to -25 inHg
Pressure ports:	T-piece to be mounted to the pump, with 1 x hose 0.5 m with pluggable port 1/2" BSP female for reference instrument and 1 x hose 0.5 m with pluggable port 1/4" BSP female for test item. Optional sets of threaded adapters „**LPP-ADAPTER-...**“ available.
Medium:	Ambient air
Pressure fine adjustment:	Pressure adjustment valve (very sensitive volume variator)
Volume per stroke:	approx. 0.038 cm³
Dimensions:	approx. L 173 mm x W 100 mm x D 58 mm (without T-piece, hoses, adapters)
Weight:	approx. 697 g (without T-piece, hoses, adapters)

Included in scope of standard delivery:

- Pressure test pump **LR-*Cal* LPP 10**
- T-piece for direct mounting to the pump, with 2 „Push&Pull“ hose connectors
- 1 x pneum. hose 0.5 m. One side to be plugged to the T-piece, other side with thread 1/2" BSP female, to connect reference pressure intrument/calibrator
- 1 x pneum. hose 0.5 m. One side to be plugged to the T-piece, other side with thread 1/4" BSP female, to connect item under test (optional sets of threaded adapters available)
- Operating manual

Optional accessories:

- Several sets of threaded adapters for connecting items under test
- Carrying- and storage case
- Refefence pressure instruments, digital gauges, pressure calibrators, with different functionalities and pressure ranges.

LPP 10 Pressure Test Pump LPP 10 (pneumatic) Pressure +10 bar (145 psi) / Vacuum -0.85 bar

LR-Cal

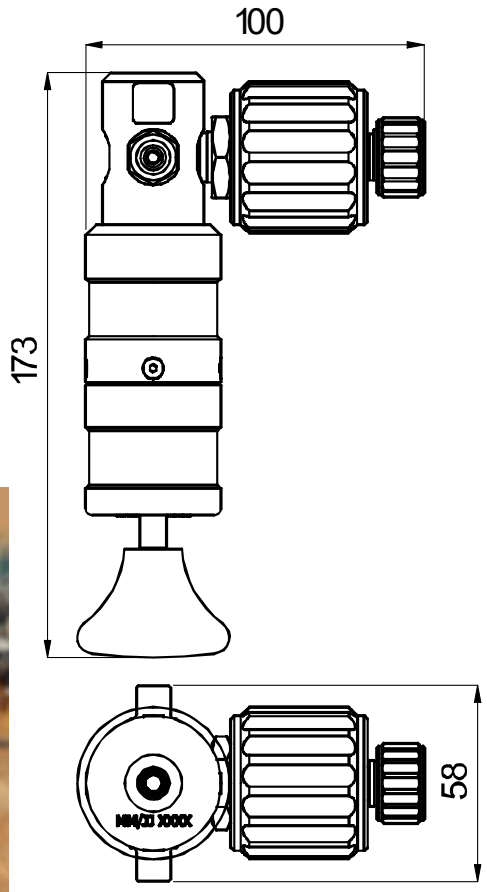
Order-Code	Description / Included in standard delivery
LPP-10	Pressure Test Pump LR-Cal **LPP 10** (-0,85...+10 bar) incl. T-piece, 2 hoses 4 x 2.5 mm, length each 0.5 m 1 Adapter (brass, chromium plated) to 1/2" BSP female and 1 Adapter (brass, chromium plated) to 1/4" BSP female, as well as necessary connectors and operating manual.
LPP-10-PUMPE	Pressure Test Pump LR-Cal **LPP 10** (-0,85...+10 bar): OEM version WITHOUT any accessories, just the pump.
Accessories and Spare parts	
LPP-KOFFER	Transport and storage case for LR-Cal **LPP 10** with foams, with space for accessories and a reference pressure instrument (e.g. LR-Cal **LDM 80** or LR-Cal **TLDMM 2.0** or LR-Cal **LDM 70** or **DM 80(-UMS)**)
LPP-10-T-STUECK	SPARE PART: T-piece for mounting on LR-Cal **LPP 10**, with 2 hose connectors (Push&Pull) for hose 4 x 2.5 mm
LPP-10-PN-STECK	SPARE PART: Hose connector (Push & Pull) for hose 4 x 2.5 mm, 1/8" BSP male
LPP-10-ADAPT-G12	SPARE PART: Adapter (brass, chromium plated) 1/8" BSP female x 1/2" BSP female (for reference)
LPP-10-ADAPT-G14	SPARE PART: Adapter (brass, chromium plated) 1/8" BSP female x 1/4" BSP female (for test item)
LPP-10-SCHLAUCH-0050	SPARE PART: pneumatic hose 4 x 2.5 mm, length 0.5 m
SCHLAUCH-025ID-04AD	Pneumatic hose 4 x 2.5 mm, per meter
LPP-ADAPTER-BSP	Set of BSP adapters and set of spare o-rings, for test item port: 1/4" BSP male x 1/8" BSP female + 3/8" BSP female + 1/2" BSP female + 1/2" BSP male
LPP-ADAPTER-NPT	Set of NPT adapters, for test item port: 1/4" BSP x 1/8" NPT female + 1/4" NPT female + 3/8" NPT female + 1/2" NPT female
LPP-ADAPTER-M	Set of metric adapters and set of spare o-rings, for test item port: 1/4" BSP male x M12x1.5 female + M20x1.5 female + MINIMESS1620
Reference pressure instruments / Pressure calibrators	
LR-Cal **LDM 80**	Ranges 0...100 mbar, 0...250 mbar, 0...500 mbar, 0...1 bar, 0...2.5 bar, 0...5 bar, 0...10 bar, -1...+1 bar, -1...+2,5 bar or -1...+5 bar, as well as 0...500 mbar abs., 0...1 bar abs., 0...2.5 bar abs. or 0...5 bar abs. Accuracy ±0.2% FS or (with option LDM80-KL01:) ±0.1% FS
LR-Cal **LHM**	Ranges 0...100 mbar, 0...500 mbar, 0...1 bar, 0...2.5 bar, 0...5 bar, -100...+100 mbar, -500...+500 mbar, -1...+1 bar, -1...+2.5 bar or -1...+5 bar pressure, vacuum, differential pressure or absolute pressure Accuracy ±0.1% FS or ±0.05% FS
LR-Cal **Serie 3000**	Ranges 25 mbar, 150 mbar, 1 bar or 8 bar pressure, vacuum and differential pressure. Accuracy up to ±0.003 mbar or or ±1% of measured value ±1 digit. For connecting to the pump, an adapter with Order-Code **3000-ADAPT-I25** is required.
LR-Cal **HMG 1**	Ranges 1 mbar, 2.5 mbar, 5 mbar, 10 mbar, 25 mbar, 50 mbar, 100 mbar, 1000 mbar, 1999 mbar, 10 bar pressure, vacuum and differential pressure or 700...1100 mbar absolute pressure. Accuracy up to ±0.1% FS

Order-Code:
LPP-KOFFER

Order-Code:
LPP-10

LR-Cal **LPP 10** with precision handheld LR-Cal **LHM**

Dimensions mm:



DRUCK & TEMPERATUR Leitenberger GmbH • Bahnhofstr. 33 • D-72138 Kirchentellinsfurt • GERMANY
Tel. +49-7121-90920-0 • Fax +49-7121-90920-99 • DT-Export@Leitenberger.de • www.druck-temperatur.de