

Pressure comparison test pump LR-Cal LPP 60-T, pneumatic
Generation of pressure up to +60 bar (870 psi), switchable to
Generation of vacuum down to -0.95 bar (-28 inHg)

The pneumatic pressure comparison test pump LR-Cal LPP 60-T is used to generate pressures and vacuum for checking, adjusting and calibrating mechanical and electronic pressure measuring instruments by comparative measurements. These pressure tests may be carried out in laboratories, workshops or on site at the measuring point. If the instrument under test and a sufficiently accurate reference measuring instrument is connected to the LR-Cal LPP 60-T, the same pressure resp. vacuum is applied to the two instruments when the pump is operated.



Despite its compact dimensions, the pressure comparison test pump LR-Cal LPP 60-T is easy to operate and allows for exact generation of the required test pressures. A change-over switch enables the generation of vacuum as well. The LR-Cal LPP 60-T is fitted with a fine adjustment valve for the precise adjustment of pressures. The reference instrument is screwed directly on to the top of the pump and the unit under test is connected by means of a pressure test hose incorporating an adapter 1/4" BSP female rotating port (optional 1/4" NPT female).

Specification:

Pressure generation:	0...60 bar / 0...870 psi, switchable to
Vacuum generation:	-0.95...0 bar / -28inHg...0
Pressure ports:	for reference instrument on the top of the pump: 1/2" BSP female rotating (with sealing gasket) Version LPP-60-T-N14: 1/4" NPT female Version LPP-60-T-G14: 1/4" BSP female rotating for unit under test (at the test pressure hose): 1/4" BSP female rotating (with sealing gasket) Version LPP-60-T-N14: 1/4" NPT female
Volume per stroke:	approx. 11 cm ³
Materials:	Anodized aluminium, brass (chromium plated)
Fine adjustment:	Fine adjustment valve
Dimension:	Approx. 150 x 300 x 215 mm
Weight:	Approx. 2.55 kg

Included in standard supply:

- Pressure comparison test pump LR-Cal LPP 60-T
- Test pressure hose 0.5 m with female rotating pressure port
- Operation manual

Recommended reference instruments:

LR-Cal TLDMM-3.0	Electronic pressure calibrator	Accuracy $\pm 0.025/0.05\%$ FS
LR-Cal LHM	Precision handheld	Accuracy $\pm 0.05/0.1\%$ FS
LR-Cal LDM 80	Digital reference pressure gauge	Accuracy $\pm 0.1/0.2\%$ FS
LR-Cal LDM 70-E25	Digital pressure gauge	Accuracy $\pm 0.125\%$ BFSL
LR-Cal LDM 80-K50	Digital pressure gauge	Accuracy $\pm 0.25\%$ BFSL
DM 80 + DM 80-UMS	Digital pressure gauge	Accuracy $\pm 0.25\%$ BFSL

LPP 60-T Pneumatic pressure comparison test pump Pressure -0.95...+60 bar (870 psi)

LR-Cal

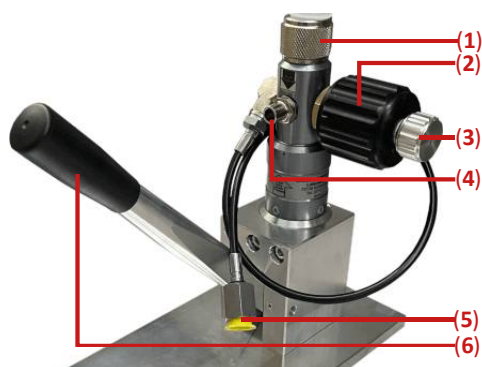


Order-Codes:

Description	Order-Code
LR-Cal LPP 60-T pressure comparison test pump -0.95...+60 bar (-28 inHg...+870 psi) NOTE: If you dismount the reference connector, you get 3/8" BSP female port	LPP-60-T
ditto, but reference port 1/4" BSP female rotating (with O-ring)	LPP-60-T-G14
ditto but reference port and test port 1/4" NPT female	LPP-60-T-N14
Set of BSP adapters and seals for test pressure port 1/8" BSP F, 3/8" BSP F and 1/2" BSP female and male	LPP-ADAPTER-BSP
Set of metric adapters and seals for test pressure port M12x1.5, M20x1.5 and MINIMESS®1 620	LPP-ADAPTER-M
Set of NPT adapters for test pressure port 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT female	LPP-ADAPTER-NPT
Tool to simplify the operation of the fine adjustment valve	LPP-VOLUMEN-TOOL
Transit case with foam insert	LPP-60-T-KOFFER
LPP-MANO-K06 analogue reference pressure gauge DS 100 Accuracy $\pm 0.6\%$ FS, with certificate, fine graduation, dual scale Available ranges: 0...4 bar/PSI, 0...25 bar/PSI, 0...40 bar/PSI, -1...0 bar/inHg, -1...+39 bar/PSI	LPP-MANO-....-K06
LPP-MANO analogue reference pressure gauge DS 63 Accuracy $\pm 1\%$ FS, fine graduation, dual scale Available ranges: 0...2 bar/PSI, 0...11 bar/PSI, 0...25 bar/PSI, 0...40 bar/PSI, -1...0 bar/inHg, -1...+39 bar/PSI	LPP-MANO-....
Spare part: pressure test hose, 0.5 m, with 1/4" BSP female rotating port	LPP-SCHLAUCH-S-0050
Spare part: fine adjustment valve with relief valve (assembly)	LPP-VENTIL
Service kit for LR-Cal LPP 60-T (O-rings, seals, etc.)	LPP-WARTUNG



Note:
If reference instruments with pressure connection 1/2" BSP male are
used, no adapter for the reference pressure port is needed at
the LR-Cal LPP 60-T pressure comparison test pump.



- (1) pressure port for mounting reference pressure instrument
- (2) fine volume adjustment, for generating high pressures approx.
40...60 bar and fine pressure adjustment
- (3) pressure relief valve
- (4) switch pressure/vacuum generation
- (5) pressure port for test item
- (6) pump lever to generate pressure up to approx. 40 bar