

Pressure Comparison Pump LPP 60-T Generating pressure -0,95...+60 bar (870 psi)

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

The Calibration 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, workshop or on site at the measuring point. If the instrument under test and a sufficiently accurate reference measuring instrument (e.g. Electronic Pressure Calibrator LR-Cal LPC 300 or LR-Cal LPC 200, ±0.025% FS) are connected to the LR-Cal LPP 60-T, the same pressure / vacuum is applied to the two instruments when the pump is operated.

Despite its compact dimensions, the calibration 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 connection tube incorporating an adapter 1/4" BSP rotating female (optional 1/4" NPT female) port.

Specification:

Pressure generation: Vacuum generation: Pressure ports:	060 bar = 0870 psi (or equivalent), switchable to 0 0,95 bar = 028 inHG (or equivalent) 1/2" BSP female rotating (with seal) for reference instrument on the top of the pump (Type LPP-60-T-N14: 1/4" NPT female, type LPP-60-T-G14: 1/4" BSP female rotating) 1/4" BSP female for unit under test (at connection tube) (Type LPP-60-T-N14: 1/4" NPT female)
Volume per stroke:	appr. 11 cm ³
Materials:	anodized aluminum, brass (chromium plated)
Fine adjustment:	Fine adjustment valve
Dimension:	appr. 150 x 300 x 215 mm
Weight:	appr. 2.55 kg

Included in standard supply:

- Calibration test pump LR-Cal LPP 60-T
- Connection tube with female rotating pressure port
- Operating manual

Optional accessories:

- Set of adapters and seals for unit under test
- Carrying case with custom foams
- · Tool for a simple operation of the adjustment valve (LPP-VOLUMEN-TOOL)

Recommended Reference Instruments:

- Accuracy ±0.025% FS:
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- Accuracy ±0.050% FS:
- Accuracy ±0.1% FS:
- Accuracy ±0.2% FS:
- Accuracy ±0.125% F
- Accuracy ±0.25% F Accuracy ±0.6& FS:
- Accuracy ±1.0% FS:

Electronic Pressure Calibrator LPC 200 Electronic Pressure Calibrator **TLDMM** Digital Test Pressure Gauge **TLDMM-A01** Digital Test Pressure Gauge Digital Test Pressure Gauge LDM70-E25 Digital Test Pressure Gauge LDM70-K50 Analogue Pressure Gauge Analogue Pressure Gauge

Electronic Process Calibrator LPC 300 TLDMM-A02 LPP-MANO-K06 LPP-MANO

datasheet "LPC 300" datasheet "LPC 200" datasheet "TLDMM 2.0" datasheet "LDM 80" datasheet "LDM 80" datasheet "LMD 70" datasheet "LDM 70" see reverse page see reverse page



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Order-Codes:

Description	Order Code
LR-Cal LPP 60-T Calibration Test Pump -0,95+60 bar (-28 in Hg+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	LPP-60-T-G14
ditto, but reference port and test port 1/4" NPT female	LPP-60-T-N14
Set of BSP adapters and set of seals 1/8" BSP, 3/8" BSP and 1/2" BSP	LPP-ADAPTER-BSP
Set of metric adapters and set of seals M12x1,5 $M20x1,5$ and Minimess [®]	LPP-ADAPTER-M
Set of NPT adapters 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT	LPP-ADAPTER-NPT
Tool to simplify operation of the fine adjustment valve	LPP-VOLUMEN-TOOL

Carrying case with foams

LPP-MANO-K06 analogue reference gauge DS 100 ±0.6% FS, all stainless steel, fine graduation dial. Incl. certificate Available ranges: 0...4 bar/PSI; 0...25 bar/PSI; 0...40 bar/PSI; -1...0 bar/inHg; -1...+39 bar/PSI

LPP-MANO analogue reference gauges DS 63 ±1% FS, fine graduation dial. 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

Spare part: Test tube with 1/4" BSP female port

Spare part: Fine adjustment valve with relief valve

Service Kit for LR-Cal LPP 60-T (O-rings, seals, etc.)

NOTE:

To mount the reference instruments LR-Cal LPC 300, LPC 200, TLDMM 2.0, LDM 80, LDM 70 or LPP-MANO you do not need any adapter if you use the calibration handpump type LR-Cal LPP 60-T, order-code LPP-60-T.

LPP-60-T-KOFFER

LPP-MANO-....-K06



LPP-MANO-....

LPP-SCHLAUCH-S-0050 LPP-VENTIL LPP-WARTUNG





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





