

Calibration Test Pumpe LR-Cal/ LPP 60, pneumatic operated to generate pressure up to +60 bar (870 psi), switchable to generate vacuum up to -0,95 bar (-28 inHg)

The Calibration Test Pump **LR-Cal/ LPP 60** is used to generate pressure 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 are connected to the **LR-Cal/ LPP 60**, 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** 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** is fitted with a fine adjustment valve for the precise adjustment of pressures. The reference instrument is screwed directly on 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 port with integr. sealing gasket. Sets of BSP-, NPT- and metric adapters are available as accessories. See next page.

Specification:

Pressure generation:	0 to 60 bar = 0 to 870 psi, switchable to
Vacuum generation:	0 to -0,95 bar = 0 to -28 inHg
Pressure ports: (standard version)	1/2" BSP female, rotating, with integr. sealing gasket, on the top of the pump for the reference instrument; 1/4" BSP female, rotating, with integr. sealing gasket, at the pressure hose for the test specimen (unit under test)
Materials:	aluminium, brass, ABS, NBR
Priming pressure:	handles
High pressure:	volume variator
Pressure adjustment:	volume variator (fine adjustment control with large volume)
Dimension:	approx. 290 x 185 x 65 mm
Weight:	approx. 960 g

Included in standard supply:

- Calibration Test Pump **LR-Cal/ LPP 60**
- Test hose, length 0.5 m
- Operating manual



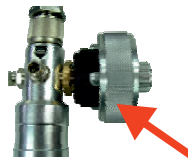
Recommended Reference Instruments:

± 0.025% v.E.:	LR-Cal/ LPC 300 documenting process and pressure calibrator
± 0.025% v.E.:	LR-Cal/ LPC 200 electronic pressure calibrator
±0.05% v.E.:	LR-Cal/ TLDMM digital reference pressure gauge
±0.1% v.E.:	LR-Cal/ TLDMM-A01 digital test pressure gauge
±0.125% v.E.:	LR-Cal/ LDM 70-E25 digital test pressure gauge
±0.2% v.E.:	LR-Cal/ TLDMM-A02 digital test pressure gauge
±0.25% v.E.:	LR-Cal/ LDM 70-K50 digital test pressure gauge
±0.6% v.E.:	LR-Cal/ LPP-MANO-K06 analogue reference pressure gauge
±1.0% v.E.:	LR-Cal/ LPP-MANO analogue reference pressure gauge

datasheet: „LPC 300“
 datasheet: „LPC 200“
 datasheet: „TLDMM“
 datasheet „TLDMM-A“
 datasheet: „LDM 70“
 datasheet: „TLDMM-A“
 datasheet: „LDM 70“
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Order-Codes:

LPP-60	LR-Cal LPP 60 Calibration Test Pump -0,95...+60 bar Pressure port for reference: 1/2" BSP female rotating, with integr. sealing gasket Pressure port for test specimen: 1/4" BSP female rotating, with integr. sealing gasket
LPP-60-G14	Ditto, but reference pressure port 1/4" BSP female rotating, with integr. sealing gasket
LPP-60-G38I	Ditto, but reference pressure port 3/8" BSP female (without swivel nut)
LPP-60-N14	Ditto, but reference pressure port 1/2" NPT female and test specimen port 1/4" NPT female (via adapters)
LPP-VOLUMEN-TOOL	Tool (to be stuck on the volume variator) to simplify the operation of the volume variator (fine adjustment valve)



LPP-60-KOFFER	Transit case with custom foams (space for LR-Cal LPP 60 , sets of adapters and a reference instrument up to DS 100 resp. 85 x 85 mm)
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LPP-ADAPTER-BSP	Set of adapters and sealing gaskets „BSP“ for pressure port for test specimen: 1/8", 3/8", 1/2" and 1/2" male, stainless steel, with integr. sealing gaskets
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LPP-ADAPTER-NPT	Set of adapters „NPT“ for pressure port for test specimen: 1/8", 1/4", 3/8" and 1/2" NPT, stainless steel
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LPP-ADAPTER-M	Set of adapters and sealing gaskets „metric“ for pressure port for test specimen: M12x1.5, M20x1.5 in stainless steel with integr. sealing gaskets, and MINIMESS 1620,
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LPP-60-WARTUNG	Service- and Maintenance Kit for Calibration Test Pump LR-Cal LPP 60 (Dichtungen usw.)
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LPP-SCHLAUCH	SPARE PART: Test hose with fittings, length 0.5 m
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LPP-MANO-K06	Analogue reference pressure gauges DS 100 Accuracy class 0.6 incl. certificate of calibration Dial with fine graduation, dual scale „bar/psi“ Available ranges: 0...4 bar/psi, 0...25 bar/psi, 0...40 bar/psi -1...0 bar/inHg und -1...+39 bar/psi
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LPP-MANO	Analogue reference pressure gauges DS 63, accuracy class 1.0 Dial with fine graduation, dual scale „bar/psi“ Available ranges: 0...2 bar/psi, 0...11 bar/psi, 0...25 bar/psi 0...40 bar/psi, 0...60 bar/psi, -1...0 bar/inHg, -1...+39 bar/psi
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Note:

You do not need any threaded adapter to connect reference devices with 1/2" BSP male pressure port to this Calibration Test Pump (standard version).