



Calibration Test Pump LPP 30 (pneumatic)
Pressure generation -0,95...+35 bar (500 psi)

LPP 30

Calibration Test Pump LPP 30, pneumatic operated
to generate pressure up to +35 bar / +500 PSI
switchable to generate vacuum up to -0.95 bar / -28 inHg

The Calibration Test Pump **LPP 30** 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 **LPC 300**, $\pm 0.025\%$ FSO) are connected to the **LPP 30**, the same pressure / vacuum is applied to the two instruments when the pump is operated.

Despite its compact dimensions, the calibration test pump **LPP 30** 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 **LPP 30** 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 (exchangeable) 1/4" BSP female port.



Specification:

Pressure generation: 0...35 bar = 0...500 PSI (or equivalent), switchable to
Vacuum generation: 0...-0,95 bar = 0...-28 inHG (or equivalent)
Pressure ports: 1/2" BSP female rotating (with seal) for reference instrument on the top of the pump
 1/4" BSP female for unit under test (at connection tube)
Materials: anodized aluminum, brass, ABS
Fine adjustment: Fine adjustment valve
Dimension: app. 220 x 105 x 63 mm
Weight: app. 510 g

Included in standard supply:

- Calibration test pump **LPP 30**
- Connection tube with 1/4" BSP female port (with O-ring)
- operating manual

Optional accessories:

- Set of adapters and seals for unit under test
- Rigid plastic case with foams



Calibration Test Pump LPP 30 with Electronic Calibrator LPC 300

Recommended Reference Instruments:

- | | | | |
|------------------------------|--------------------------------|-----------------|----------------------|
| • Accuracy $\pm 0.025\%$ FS: | Electronic Pressure Calibrator | LPC 300 | (see sep. datasheet) |
| • Accuracy $\pm 0.050\%$ FS: | Elektronic Pressure Calibrator | TLDMM | (see sep. datasheet) |
| • Accuracy $\pm 0.2\%$ FS: | Digital Test Pressure Gauge | TDMC | (see sep. datasheet) |
| • Accuracy $\pm 0.5\%$ FS: | Digital Test Pressure Gauge | DTG 35 | (see sep. datasheet) |
| • Accuracy $\pm 1.0\%$ FS: | Analogue Pressure Gauge | LPP-MANO | (see back page) |



Sistemi di calibrazione temperatura e pressione

Banchi prova rubinetteria - Apparecchiature di test

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Order-Codes:

Description	Order Code
LPP 30 Calibration Test Pump -0,95...+35 bar	LPP-30
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 Minimesse®	LPP-ADAPTER-M
Set of NPT adapters and set of seals 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT	LPP-ADAPTER-NPT
Carrying case with foams	LPP-KOFFER
LPP-MANO analogue reference gauge DS 63 ±1% FS, 0 - 2 bar / 0 - 30 PSI - fine graduation	LPP-MANO-0002
LPP-MANO analogue reference gauge DS 63 ±1% FS, 0 - 11 bar / 0 - 160 PSI - fine graduation	LPP-MANO-0011
LPP-MANO analogue reference gauge DS 63 ±1% FS, 0 - 25 bar / 0 - 365 PSI - fine graduation	LPP-MANO-0025
LPP-MANO analogue reference gauge DS 63 ±1% FS, 0 - 40 bar / 0 - 600 PSI - fine graduation	LPP-MANO-0040
LPP-MANO analogue reference gauge DS 63 ±1% FS, -1/0 bar and -30/0 inHg - fine graduation	LPP-MANO-0000
Spare part: Test tube with 1/4" BSP female port	LPP-SCHLAUCH
Spare part: Fine adjustment valve with relief valve	LPP-VENTIL
Service Kit for LPP 30 (O-rings, seals, etc.)	LPP-WARTUNG



NOTES:

To mount the reference instruments

- LPC 300 - TLDM - TDMC - LPP-MANO

• all other reference instruments with 1/2" BSP male connection
 you do **not** need any adapter.

To mount the reference instruments

- DTG 35

• all other reference instruments with
 1/4" BSP male conn.

you need the adapter no. 003.0.000.0092.0
 (1/4" BSP female x 1/2" BSP male)

- (1) pressure port 1/2" BSP female rotating for reference
- (2) fine adjustment valve
- (3) pressure/vacuum relief valve
- (4) change-over switch for pressure/vacuum generation
- (5) handles
- (6) adjustable knurled nut for adjustment of delivery rate
- (7) pressure port 1/4" BSP female for unit under test
- (8) test tube

