

### Pressure Test Pump LR-Cal LPP 700

- hydraulic operated (suitable for mineral oil based hydraulic fluids or clean distilled water, free of calcium-carbonate / scale)
- generating test pressure up to 10 000 PSI (700 bar)
- test hose MINIMESS® included

The portable Calibration Test Pump LR-Cal LPP 700 has been designed for easy to use pressure calibration equipment "in the field", for testing pressure gauges, pressure switches and pressure transmitters. 10 000 PSI (700 bar) can be reached in a simple way, using the "prime/high pressure" selector.

Reference instruments such as electronic pressure calibrators LR-Cal LPC 300, LR-Cal LPC 200 and LR-Cal TLDMM as well as precision digital reference pressure gauges as LR-Cal LDM 80 and LR-Cal LDM 70 can be mounted directly on the top of the LR-Cal LPP 700 pressure test pump. High quality construction, no leakage.

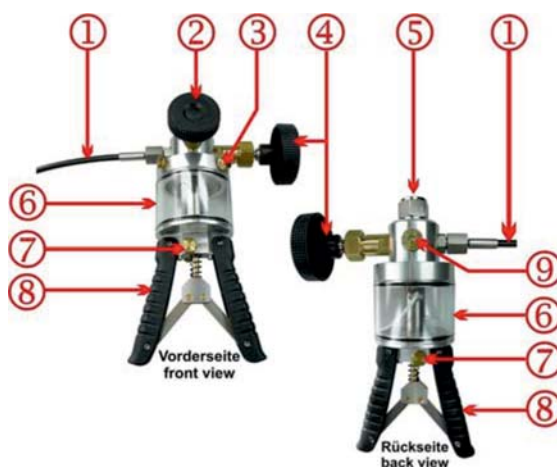


The Calibration Test Pump LR-Cal LPP 700 is supplied including a test hose (MINIMESS® 1620), length 1 m, with 1/4" BSP F port.

### Specification:

|                      |                                                                                                                                                                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure ports:      | <b>for reference instrument:</b> 1/2" BSP female, rotating, at the top of the pump. After dismounting of the 1/2" BSP swivel, you have a 3/8" BSP female thread, suitable for a lot of special reference instruments<br><b>for test item:</b> MINIMESS® hose (length 1 m), with coupling to 1/4" BSP female thread |
| Liquid reservoir:    | 200 cm <sup>3</sup> (re-filling during pressure generation possible)                                                                                                                                                                                                                                               |
| Construction:        | High quality, no leakage, robust, portable, easy to handle                                                                                                                                                                                                                                                         |
| Pressure adjustment: | Pressure fine control and pressure release valve.                                                                                                                                                                                                                                                                  |
| Dimensions / weight: | appr. 270 x 160 x 120 mm (without hose) / appr. 1.3 kg (without hose)                                                                                                                                                                                                                                              |

### Control elements LR-Cal LPP 700:



- (1) = flexible hose MINIMESS® 1620
- (2) = Pressure release valve, fine adjustable
- (3) = Liquid reservoir filling plug
- (4) = Fine control (volume adjustment)
- (5) = 1/2" BSP female rotating reference port
- (6) = Liquid reservoir
- (7) = Priming / high pressure switching knob
- (8) = Pump handles
- (9) = Blind plug, if existing, never open!

# LPP 700

Pressure Test Pump 700 bar, hydraulic  
Portable pressure source up to 10,000 psi


LR-Cal



## Available Types:

| Type    | Generating pressure up to                                                                                                                                                                | Order-Code              |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| LPP 700 | 10 000 PSI (700 bar), suitable for mineral oil based hydraulic fluids or clean distilled water, free of calcium-carbonate / scale. <b>Not</b> suitable for water based hydraulic fluids. | <a href="#">LPP-700</a> |

## Accessories:

| Type                                                                                                                             | Description                                                                                                                                                                      | Order-Code                      |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Case                                                                                                                             | Plastic case with foams, for <b>LR-Cal LPP 700</b> , hose, adapters and reference instrument                                                                                     | <a href="#">LPP-H-KOFFER</a>    |
| Adapter BSP                                                                                                                      | st.st. Adapter set (BSP) incl. spare O-rings, for test specimen port: 1/8" BSP, 3/8" BSP, 1/2" BSP M & F                                                                         | <a href="#">LPP-ADAPTER-BSP</a> |
| Adapter NPT                                                                                                                      | st.st. Adapter set (NPT), for test specimen port: 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT                                                                                         | <a href="#">LPP-ADAPTER-NPT</a> |
| Adapter metric                                                                                                                   | st.st. Adapter set (metric) incl. spare O-rings, for test specimen port: M 12 x 1.5 and M 20 x 1.5                                                                               | <a href="#">LPP-ADAPTER-M</a>   |
| Service                                                                                                                          | Service kit (seals, gaskets, ...) for <b>LR-Cal LPP 700</b>                                                                                                                      | <a href="#">LPP-H-WARTUNG</a>   |
| Fluid                                                                                                                            | Special operating oil for <b>LR-Cal LPP 700</b> (1 l bottle)                                                                                                                     | <a href="#">CPB5000-FLUID</a>   |
| Analogue referenz-pressure gauge<br>LPP-MANO  | Analogue reference pressure gauge DS 100 mm (4")<br>Dial with fine graduation, knife pointer, pressure port 1/2" BSP male, range 0 - 60 bar / 0 - 800 PSI<br>Accuracy ±0.6% f.s. | <a href="#">LPP-MANO-0060</a>   |
|                                                                                                                                  | Ditto, 0 - 100 bar / 0 - 1400 PSI, accuracy ±0.6% f.s.                                                                                                                           | <a href="#">LPP-MANO-0100</a>   |
|                                                                                                                                  | Ditto, 0 - 160 bar / 0 - 2000 PSI, accuracy ±0.6% f.s.                                                                                                                           | <a href="#">LPP-MANO-0160</a>   |
|                                                                                                                                  | Ditto, 0 - 250 bar / 0 - 3000 PSI, accuracy ±0.6% f.s.                                                                                                                           | <a href="#">LPP-MANO-0250</a>   |
|                                                                                                                                  | Ditto, 0 - 400 bar / 0 - 5000 PSI, accuracy ±0.6% f.s.                                                                                                                           | <a href="#">LPP-MANO-0400</a>   |
|                                                                                                                                  | Ditto, 0 - 600 bar / 0 - 8000 PSI, accuracy ±1.0% f.s.                                                                                                                           | <a href="#">LPP-MANO-0600</a>   |
|                                                                                                                                  | Ditto, 0 - 1000 bar / 0 - 14500 PSI, accuracy ±1.0% f.s.                                                                                                                         | <a href="#">LPP-MANO-1000</a>   |
| MINIMESS hose in other lengths                                                                                                   | MINIMESS ° 1620 hose, length 2.0 m                                                                                                                                               | <a href="#">MMS-M16X2-2-0</a>   |
|                                                                                                                                  | MINIMESS ° 1620 hose, length 3.2 m                                                                                                                                               | <a href="#">MMS-M16X2-3-2</a>   |
|                                                                                                                                  | MINIMESS ° 1620 hose, length 4.0 m                                                                                                                                               | <a href="#">MMS-M16X2-4-0</a>   |

| Recommended precision reference pressure instruments: |                                    | Accuracy:                 |
|-------------------------------------------------------|------------------------------------|---------------------------|
| • Electronic process calibrator                       | <a href="#">LR-Cal LPC 300</a>     | ±0.025% f.s.              |
| • Electronic pressure calibrator                      | <a href="#">LR-Cal LPC 200</a>     | ±0.025% f.s. / ±0.1% m.v. |
| • Electronic pressure calibrator                      | <a href="#">LR-Cal TLDMM</a>       | ±0.05% f.s.               |
| • Digital precision reference pressure gauge          | <a href="#">LR-Cal LDM 80+KL01</a> | ±0.1% f.s.                |
| • Digital precision reference pressure gauge          | <a href="#">LR-Cal LDM 80</a>      | ±0.2% f.s.                |
| • Digital test pressure gauge                         | <a href="#">LR-Cal LDM 70-E25</a>  | ±0.125% f.s.              |
| • Digital test pressure gauge                         | <a href="#">LR-Cal LDM 70-K50</a>  | ±0.25% f.s.               |