# Electronic Pressure Calibrator LR-*Cal* LPC 200 Accuracy up to ±0.025% FS, max. 6,000 bar

**LPC 200** 

Rel. 20170606

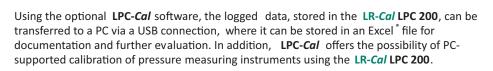
## Electronic Pressure Calibrator LR-Cal LPC 200, changeable pressure sensors

- Very simple operation, easily-read display (backlighting selectable)
- Changeable reference sensors (plug & play)
   this means, up to 10 pressure ranges with one instrument
- Ranges from 0...5.8 psi (400 mbar) up to 0...87000 psi (6000 bar) (also vacuum-, compound- and absolute pressure ranges)
- Accuracy up to 1000 bar: ±0.025% f.s.; up to 6000 bar: ±0.1% f.s.
- Logging function, pressure rate, min-/max value, Bargraph, Tare
- Issue calibration certificates with optional PC-Windows \*-software LPC-Cal
- Pressure calibration kit's, co mplete with calibration hand pumps as portable pressure source
- Chargeable Lithium-Ion battery, incl. Charger, USB-interface
- Switchable pressure unit PSI, bar, mbar, kPa, mmHg, inHg



Together with a suitable calibration pressure source like the calibration hand pumps LR-Cal LPP 40 (pneumatic) or LR-Cal LPP 700 / LPP 1000 (hydraulic), the LR-Cal LPC 200 offers a pecision pressure calibration system, suitable also for use on site, portable. The LR-Cal LPC 200 also opens up other helpfull applications, e.g. recording of pressure curves (logging function), leak testing (pressure rate function). These useful functions can be easily activated or deactivated by pressing the respective keys.

A factory calibration certificate for each reference sensor certifies the total uncertainty of the measuring chain. Alternatively, on request, a DAkkS calibration certificate can be supplied.





## Technical Data (Indicator LR-Cal LPC 200 together with reference sensor LPC-2):

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Standard Pressure Ranges (PSI) Standard Pressure Ranges (bar)	5.8 0.4	23.2 1.6	87 6	232 16	580 40	1450 100	3626 250	8700 600	14500 1000
Overpressure safety (bar)	2	10	35	80	80	200	500	1200	1500
Burst pressure (bar)	2.4	12	42	96	400	800	1200	2400	3000
Accuracy (Total uncertainty of measurement chain)	0.025% FS, calibrated at 23°C and in vertical mounting position with pressure conn. facing down.								
High Pressure Ranges (PSI) High Pressure Ranges (bar)	23200 1600	36200 2500	58000 4000	72500 5000	87000 6000				
Overpressure safety (bar)	2000	3000	4400	6000	7000				
Burst pressure (bar)	4000	5000	7000	10000	11000				
Accuracy (Total uncertainty of measurement chain)	0.1% FS (calibrated at 23°C and in vertical mounting position with pressure conn. facing down.)								
Type of pressure	see above (standard and high pressure ranges) but also vacuum-, compound- and absolute pressure ranges								
Units of pressure	bar, mbar, kPa, mmHg, inHg, PSI (depending on range, switchable)								
Active temperature compensation	+10+40°C								
Permissible ambient temperature	0+50°C								
Calibration			y certificat S certificat						

# **LPC 200** Accuracy up to ±0.025% FS, max. 6,000 bar



#### Technical Data Indicator LR-Cal LPC 200:

Display	large graphic display, with backlighting on/off selectable
Display resolution	up to 6 digits, selectable
Measuring rate (pressure)	5 values per second
Functions	min-, max-memory, tare, pressure rate, filter, zeropoint-adjustment
Data logger	up to 1000 values, cycle time adjustable 13600 seconds
Interface	USB
Power supply	internal Lithium-lon rechargeable battery (charging time <6 h) alternative: mains supply via charger
Battery operation	approx. 25 hours
Permissible air humidity	085% r.h. at 50°C, non-condensing
Permissible storage temperature	-20+60°C
Housing material	Polyamide 12, membrane keyboard, transparent panels
Ingress protection	IP 65
Weight (without sensor)	approx. 480 g
Dimensions (without Sensor)	width x height x depth: 75/106 x 50/82 x 194 mm
CE-conformity	interference emission and immunity to EN 61326 declaration of conformity on request

#### **Technical Data Reference Sensors LPC-2:**

Pressure connection	up to 1000 bar:1/2" BSP male (other on request) >1000 bar: high pressure port M16 x 11,5 female, with sealing cone
Wetted parts (material)	stainless steel
Permissible medium temperature	-30+105°C
Permissible storage temperature	-40+85°C
Housing material	stainless steel
Electrical connection	round plug, 8-pole, suitable for LR-Cal LPC 200
Weight	approx. 220 g
Dimensions	diameter x height: 40 x 102,5 mm
CE-conformity	89/336/EWG interference emission and immunity to EN 61326 97/23/EG pressure equipment directive (module H)

#### **Scope of Supply:**

- Indicator LR-Cal LPC 200
- 1 reference sensor LPC-2 (optional up to 9 more reference sensors = pressure ranges possible)
- Factory certificate of calibration 3.1 as per EN 10204
- Battery charger 115...230 VAC, incl. several adaptors
- Operating manual

### **Options / Accessories:**

- DAkkS certificate of calibration
- Thread adaptors for pressure connection
- MINIMESS <sup>®</sup> quick-connectors and hoses
- LPC200-MAH magnetic hook
- LPC200-SCH supporting loop
- USB interface cable and PC-Windows-Software LPC-Cal
- Calibration handpump LR-Cal LPP 40, LR-Cal LPP 700, LR-Cal LPP 1000 and case (complete pressure calibration kit's LR-Cal LPP-KIT)



LPC200-MAH LPC200-SCH