



Portable Digital Manometer with ext. sensor
0..40 mbar to 0..2200 bar, $\pm 0.1\%$ / $\pm 0.35\%$ / $\pm 0.5\%$

LPM 3

Portable Digital Manometer LPM 3 suitable also for corrosive and fluid media

- large number of pressure ranges available
0...40 mbar to 0...2200 bar / large over-pressure resistance
- **PEAK-Mode up to 1000 Hz** (e.g. for pressure peaks reading)
- **three different accuracies available: normal to high precision**
- **Battery operated**
- large display and ergonomic housing
- **Indication of current & voltage also possible**
- **Hold-, MAX-, MIN-, Average-Function in sep. display line**
- **unique THUMBWHEEL one hand operation of the indicator**
- **free scaleable**, conversion into other pressure units without problems



The portable digital manometer **LPM 3** are suitable also for fluid and corrosive media. On request special pressure ranges (gauge & absolute) available. The **LPM 3** portables are used for service and calibration purposes at pneumatic and hydraulic systems. For applications with very aggressive media and for hygienic applications special versions are available on request. All types of **LPM 3** can also measure current (0/4...20 mA) and voltage (0...10 V).

Technical Data:	LPM 3-5	LPM 3-3	LPM 3-1
Accuracy:	$\pm 0.5\%$ F.S. ($\pm 1\%$ in PEAK-Mode)	$\pm 0.35\%$ F.S. ($\pm 1\%$ in PEAK-Mode)	$\pm 0.1\%$ F.S. ($\pm 1\%$ in PEAK-Mode)
sampling rate Normal Mode: sampling rate PEAK Mode:	0.5 sec 5 ms (200 Hz)	0.5 sec 1 ms (1000 Hz)	0.5 sec 10 ms (100 Hz)
Wetted parts:	steel/st.st./ceramic	stainless steel	stainless steel
Pressure port:	1/4" BSP male as per DIN 3852		
Display resolution:	$\pm 0.005\%$ F.S. ($\pm 0.3\%$ in PEAK-Mode)		
Dimension/Weight:	without sensor: 147 x 85 x 37 mm, appr. 400 gr.		
Batteries:	4 x 1,5 V (AA) Alkali-Mangan (typ. battery life >20 h)		
Functions:	HOLD, MAX, MIN, AVG, DATE, TIME, AutoOFF, CAL, MODE, SCALE		
Pressure unit:	mbar or bar, depending on range free scaleable indication ==> conversion to other pressure units without problem		
Standard supply includes:	Indicator with batteries, external pressure sensor (plugged) Connection-cable (2-wire), appr. 1 m, spiral-form)		

Order-Codes, Pressure Ranges and Overpressure - see table on next page.

Optional Accessories:	
Order-Code	Description
LPM3-CAS	Carrying case with foams
LPM3-BAT	Spare batteries (set with 4 pcs. 1,5 V (AA) Alkali-Mangan)
9120.50	Spare part: 5-pol Plug M12x1 for sensor connection at indicator
9120.51	Spare part: 5-pol connection cable (appr. 1 m) with 5-pol plug M12x1 and with plug DIN 43650 for transmitter (also suitable to connect 3-wire transmitters)



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LPM 3

Order-Code	Range	Overpressure	Order-Code	Range	Overpressure
LPM 3-5 Accuracy $\pm 0.5\%$ F.S. PEAK-Mode 5 ms (200 Hz)					
LPM3-5-8250-0	0 - 250 mbar	1 bar	LPM3-5-0016-0	0 - 16 bar	50 bar
LPM3-5-8400-0	0 - 400 mbar	1 bar	LPM3-5-0025-0	0 - 25 bar	50 bar
LPM3-5-8600-0	0 - 600 mbar	3 bar	LPM3-5-0040-0	0 - 40 bar	120 bar
LPM3-5-0001-0	0 - 1 bar	3 bar	LPM3-5-0060-0	0 - 60 bar	120 bar
LPM3-5-0001-6	0 - 1,6 bar	7 bar	LPM3-5-0100-0	0 - 100 bar	250 bar
LPM3-5-0002-5	0 - 2,5 bar	7 bar	LPM3-5-0160-0	0 - 160 bar	400 bar
LPM3-5-0004-0	0 - 4 bar	12 bar	LPM3-5-0250-0	0 - 250 bar	400 bar
LPM3-5-0006-0	0 - 6 bar	12 bar	LPM3-5-0400-0	0 - 400 bar	600 bar
LPM3-5-0010-0	0 - 10 bar	25 bar	LPM3-5-0000-0	-1 / 0 bar 1)	3 bar
LPM 3-3 Accuracy $\pm 0.35\%$ F.S. PEAK-Mode 1000 Hz (1 ms)					
LPM3-3-8040-0	0-40 mbar 2)	200 mbar	LPM3-3-0025-0	0 - 25 bar	60 bar
LPM3-3-8060-0	0-60 mbar 2)	200 mbar	LPM3-3-0040-0	0 - 40 bar	100 bar
LPM3-3-8100-0	0-100 mbar 2)	500 mbar	LPM3-3-0060-0	0 - 60 bar	140 bar
LPM3-3-8160-0	0-160 mbar 2)	500 mbar	LPM3-3-0100-0	0 - 100 bar	340 bar
LPM3-3-8250-0	0-250 mbar 2)	1 bar	LPM3-3-0160-0	0 - 160 bar	340 bar
LPM3-3-8400-0	0-400 mbar 2)	1 bar	LPM3-3-0250-0	0 - 250 bar	600 bar
LPM3-3-8600-0	0-600 mbar	3 bar	LPM3-3-0400-0	0 - 400 bar	600 bar
LPM3-3-0001-0	0 - 1 bar	3 bar	LPM3-3-0600-0	0 - 600 bar	1000 bar
LPM3-3-0001-6	0 - 1,6 bar	6 bar	LPM3-3-1000-0	0-1000 bar 3)	1400 bar
LPM3-3-0002-5	0 - 2,5 bar	6 bar	LPM3-3-1600-0	0-1600 bar 3)	2200 bar
LPM3-3-0004-0	0 - 4 bar	20 bar	LPM3-3-2000-0	0-2000 bar 3)	2800 bar
LPM3-3-0006-0	0 - 6 bar	20 bar	LPM3-3-2200-0	0-2200 bar 3)	2800 bar
LPM3-3-0010-0	0 - 10 bar	20 bar	LPM3-3-0000-0	-1 / 0 bar	3 bar
LPM3-3-0016-0	0 - 16 bar	60 bar			
LPM 3-1 Accuracy $\pm 0.1\%$ F.S. PEAK-Mode 100 Hz (10 ms)					
LPM3-1-8100-0	0 - 100 mbar	500 mbar	LPM3-1-0040-0	0 - 40 bar	100 bar
LPM3-1-8300-0	0 - 300 mbar	1 bar	LPM3-1-0070-0	0 - 70 bar	140 bar
LPM3-1-0001-0	0 - 1 bar	3 bar	LPM3-1-0170-0	0 - 170 bar	340 bar
LPM3-1-0003-0	0 - 3 bar	10 bar	LPM3-1-0350-0	0 - 350 bar	600 bar
LPM3-1-0007-0	0 - 7 bar	20 bar	LPM3-1-0600-0	0 - 600 bar	1000 bar
LPM3-1-0017-0	0 - 17 bar	60 bar	LPM3-1-0000-0	-1 / 0 bar	3 bar

1) Accuracy $\pm 1.0\%$ v.E. also in Normal mode

2) Accuracy $\pm 0.5\%$ v.E. in Normal mode

3) Pressure port 1/2" BSP male as per EN 837-1

Other pressure ranges (gauge & absolute), other pressure ports (also flush, hygienic etc.) and other materials for wetted parts (e.g. PVDF for high aggressive medie) available on request.

LPM = Leitenberger Portable Manometer



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