



CCM-P-17

- battery powered digital pressure gauge
- nominal pressure: from 0...6 bar up to 0...600 bar
- stainless steel sensor, welded
- accuracy 1 % span
- rotatable housing Ø 63 mm
- LC display: 4.5-digit 7-segment display
- standard battery CR 2450, operation period > 1.500 h
- min / max function with reset function
- setting of pressure unit (bar, mbar, psi, MPa, mH₂O)
- automatic switch-off configuration
- option: oil and grease free version for oxygen application

The compact digital pressure gauge **CCM-P-17** is characterized by its long-lasting battery supply as well as its adjustable housing. Thus, the CCM-P-17 is ideal for mobile pressure monitoring. An unusual feature of the CCM-P-17 is the welded pressure sensor. An absolute use in oxygen applications is given and strictest requirements on the particle liberty are fulfilled. The 4.5-digit LC-display indicates the battery status, the measurement value as well as the unit; this enables a fast and precise reading. Additional functions like setting of pressure unit, auto-zero, min / max values and an automatic switching-off function.

PREFERRED AREAS OF USE ARE



Mobile Pressure Monitoring
Plant and Machine Engineering
Pneumatics / Hydraulics



Oxygen application

TECHNICAL DATA

Input Pressure												
Nominal pressure gauge	[bar]	6	10	16	25	40	60	100	160	250	400	600
Overpressure	[bar]	12	20	32	50	80	120	200	320	500	800	1 200
Burst pressure	[bar]	30	50	80	125	200	300	500	800	1 400	2 000	3 000
Vacuum resistance		unlimited										

Performance	
Accuracy	≤ ± 1 % span IEC
Measuring rate	1/sec
Long term stability	≤ ± 0.3 % span / year at reference conditions
Thermal effects (Offset and Span)	
Tolerance band	≤ ± 0.5 % span / 10 K (typ.) in compensated range 0 ... 50 °C
Permissible temperatures	
Permissible temperatures	medium: -25 ... 85 °C environment: 0 ... 70 °C storage: 0 ... 70 °C
Materials	
Pressure port / housing	stainless steel 1.4571 (316Ti) / 1.4301 (304)
Display housing	PA 6.6, Polycarbonate
Seal of sensor	none (welded)
Diaphragm	stainless steel 1.4542 (630)
Media wetted parts	pressure port, diaphragm
Miscellaneous	
Display	LC-Display, visible range 36 x 15 mm; 4.5-digit 7-segment-display, digit size 8.5 mm, range of indication ±1999 decimal place is calculated automatically by device considering range and accuracy - customer-setting not possible
Electromagnetic compatibility	emission and immunity according to EN 61326
Supply	3 V lithium battery (CR 2450)
Data storage	EEPROM (non-volatile)
Ingress protection	IP 65
Installation position	any
Weight	plastic: approx. 150 g
Operational life of battery	min. 1 500 h with permanent operation
Mech. operational life	100 million load cycles
CE-conformity	EMC directive 2014/30/EU pressure equipment directive: 2014/68/EU (Modul A) ¹

¹ This directive is only valid for devices with maximum permissible overpressure > 200 bar.



