

## CCM-P-17



- battery powered digital pressure gauge
- nominal pressure: from 0..6 bar up to 0..600 bar
- stainless steel sensor, welded
- accuracy 0.5 % 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, mH<sub>2</sub>O)
- 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-o 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		± 0.5 % span BFSL											
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) <sup>1</sup>							

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



