



# 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

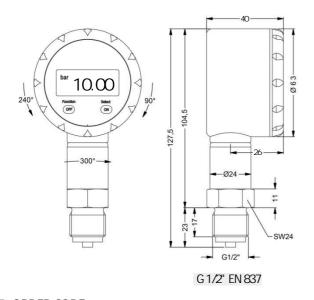
### TECHNICAL DATA

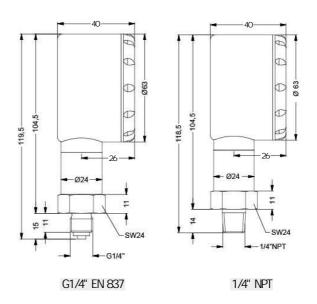
Input Pressure												
Nominal pressure gauge	[bar]	6	10	16	25	40	60	100	160	250	400	600
Overpressure	[bar]	12	20	32	50	80	120	200	320	500	800	1 200
Burst pressure	[bar]	30	50	80	125	200	300	500	800	1 400	2 000	3 000
Vacuum resistance		unlimite	d									

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)	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 accord	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 device	es with maximum permissible overpress	sure > 200 bar.								



### DIMENSION DRAWINGS





## ORDER CODE

	CCM-P-17-	-Щ			- 0 -		- 0 K 0 -	Ц		]-[	]-	<b>_</b> -	Ц	- N -		$\Box$
Pressure																
Gauge	M 0 3			Т					т				т		П	
Input [bar]																
0 6		6 0	0	1												
0 10		1 0	0	2												
0 16		1 6		2												
0 25		2 5	0													
0 40		4 0		2												
0 60		6 0		2												
0 100		1 0		3												
0 160				3												
0 250				3												
0 400				3												
0 600																
		9 9	0	9												
Customer		9 9	9	9												
Customer underpressure Accuracy		XX	^	X												_
0,5 % BFSL (1 % span IEC)					B	8										
Customer						9										
Mechanical connection																
G 1/2" EN 837								2	0 0	)	Т		П		П	
G 1/4" EN 837									0 0							
1/4" NPT								Ν	4 0	)						
Customer								9	4 0 9 9	)						
Seals																
Without										2	2					
Customer			_	_				_	_	Ş	9					
Pressure port	\											4				
Stainless steel 1.4404 (316 L Customer	)											9				
Diaphragm												9				
Stainless steel 1.4542 (630)													7			
Customer													2 9			
Special version																
Standard														C		0
Oxygen application														C	0	7
Customer														9	9	9

The manufacturer reserves the right to change sensor specifications without further notice.

The manufacturer provides the EU declaration of conformity.

Calibration - All production undergoes output control, which is performed by comparison with standards. The traceability of standards and working gauges is ensured in accordance with Act No.505/1990, as amended, on metrology.

The manufacturer o ers the possibility of delivering sensors calibrated in its own calibration laboratory, accredited according to SN EN ISO / IEC 17025: 2018

