



## CCM-K-10

- battery powered digital pressure gauge
- nominal pressure: from 0...1.6 bar up to 0...250 bar
- ceramic sensor
- accuracy 1 % span
- adjustable, display housing  $\varnothing$  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

The compact low-cost digital pressure gauge **CCM-K-10** is battery-powered and has an adjustable housing; it is thus extremely suitable for mobile pressure monitoring. 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.

It is possible to switch between the most common units (bar, psi, mH<sub>2</sub>O, MPa). Additional functions as auto-zero, min / max values and an automatic switching-off complete the CCM-K-10 profile.

### PREFERRED AREAS OF USE ARE



Mobile Pressure Monitoring  
Plant and Machine Engineering  
Pneumatics / Hydraulics



Environmental Engineering  
(water – sewage – recycling)

### TECHNICAL DATA

Input Pressure													
Nominal pressure gauge	[bar]	1.6	2.5	4	6	10	16	25	40	60	100	160	250
Overpressure	[bar]	4	4	10	10	20	40	40	100	100	200	400	400
Burst pressure	[bar]	7	7	15	15	35	70	70	150	150	250	450	450
Vacuum resistance		unlimited											
Performance													
Accuracy <sup>1</sup>		$\pm 1$ % span IEC											
Measuring rate		1/sec											
Long term stability		$\leq \pm 0.3$ % span / year											
<sup>1</sup> accuracy according to IEC 60770 – minimum value setting (non-linearity, hysteresis, repeatability)													
Thermal effects (Offset and Span)													
Tolerance band		$\leq \pm 0.5$ % 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 1.4301 (304)											
Display housing		PA 6.6, Polycarbonate											
Seals (media wetted)		FKM						others on request					
Diaphragm		ceramics Al <sub>2</sub> O <sub>3</sub> 96 %											
Media wetted parts		pressure port, seals, 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 $\pm 1999$ 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. 1500 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>2</sup>					
<sup>2</sup> This directive is only valid for devices with maximum permissible overpressure > 200 bar.													



