

SensaCo Ltd.



DM 10

Battery Powered Digital Pressure Gauge

Ceramic Sensor

class 0.5

Nominal pressure

from 0 ... 1.6 bar up to 0 ... 250 bar

Special characteristics

- rotatable housing and display
- LC display 4.5-digit 7-segment display
- standard battery CR 2450 operation period > 1 500 h

Functions

- min / max function with reset function
- auto-zero
- setting of pressure unit (bar, mbar, psi, MPa, mH₂O)
- configuration of switch-off automatic

The compact low-cost digital pressure gauge DM 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, Pa, MPa). Additional functions as auto-zero, min / max values and an automatic switching-off complete the DM 10 profile.

Preferred areas of use are



Mobile pressure monitoring Plant and machine engineering Pneumatics / hydraulics



Environmental engineering (water – sewage – recycling)









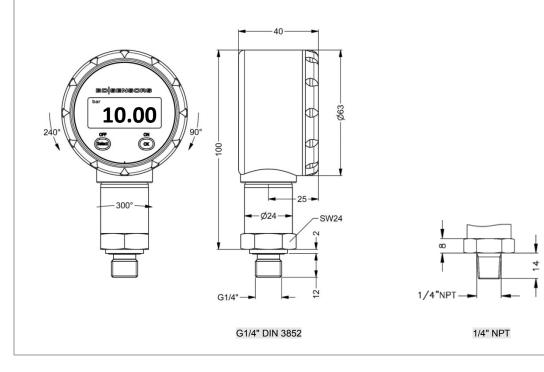


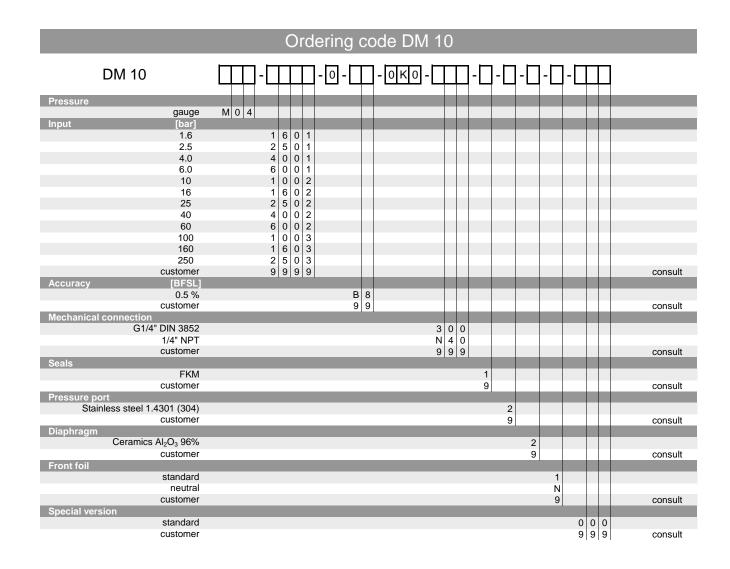
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Input Pressure													
Nominal pressure gauge	[bar]	1.6	2.5	4	6	10	16	25	40	60	100	160	250
Overpressure	[bar]	4	4	10	10	20	40	40	100	100	200	400	400
Burst pressure	[bar]	7	7	15	15	35	70	70	150	150	250	450	450
Vacuum resistance		unlimite	ed										

Performance								
Accuracy 1	≤±0.5 % FSO BFSL							
Measuring rate	1/sec							
Long term stability	≤ ± 0.3 % FSO / year							
¹ accuracy according to IEC 60770 –	minimum value setting (non-linearity, h	vsteresis, repeatability)						
Thermal effects (Offset and Sp	oan)							
Tolerance band	≤ ± 0.5 % FSO / 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 ₂ O ₃ 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 ±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	арргох. 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) ²							
	es with maximum permissible overpressi		()					
Dimensions (in mm)		**						

Dimensions (in mm)





01.09.2019