



CMR 371, 1000 hPa F.S., DN 16 CF-R



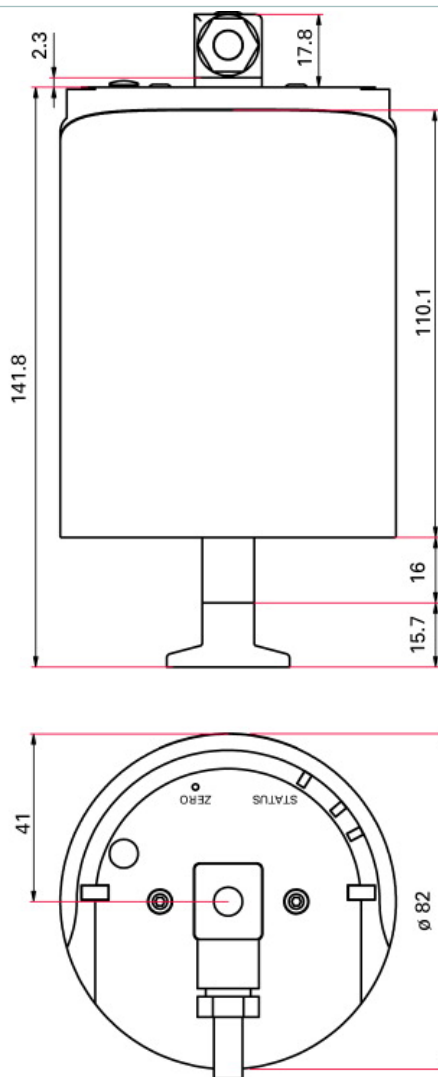


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- Precise pressure measurement independent of type of gas
- Measurement range up to four decades
- Gauge for connection to TPG
- Measurement range from $1 \cdot 10^{-1}$ hPa to 1100 hPa
- Excellent zero stability
- Sensor in ceramic technology
- No memory effects
- Materials employed have identical temperature coefficients
- Outstanding long-term and temperature stability
- Additional protection against pollution by sensor shield
- Calibration test report included in delivery

Dimensions



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Technical Data	CMR 371, 1000 hPa F.S., DN 16 CF-R
Accuracy	0.15
Accuracy: % of measurement	0,15
Bakeout temperature max. at the flange	$\leq 110\text{ }^{\circ}\text{C}$ $\leq 230\text{ }^{\circ}\text{F}$ $\leq 383\text{ K}$
Full Scale	1,000 hPa 750 Torr 1,000 mbar
Measurement range max.	1,100 hPa 825 Torr 1,100 mbar
Measurement range min.	$1 \cdot 10^{-1}\text{ hPa}$ $7.5 \cdot 10^{-2}\text{ Torr}$ $1 \cdot 10^{-1}\text{ mbar}$
Membrane and measuring chamber	Ceramics (Al_2O_3 99.5 %)
Method of measurement	Capacitance
Nominal diameter	DN 16 CF-R
Output signal: Minimum load	$> 10\text{ k}\Omega$
Output signal: Pressure range	1 - 9.8 V
Output signal: Sensor error above	$> 9.8\text{ V}$
Output signal: Sensor error below	$< 0.4\text{ V}$
Pipe and flange	Stainless steel
Pressure max.	3,000 hPa 2,250 Torr 3,000 mbar
Protection category	IP 40
Resolution	0.003 % F.S.
Response time	30 ms
Supply: Power consumption max.	$\leq 12\text{ W}$
Supply: Voltage	14-30 V DC
Temperature: Operating	$10\text{-}40\text{ }^{\circ}\text{C}$ $50\text{-}104\text{ }^{\circ}\text{F}$ $283\text{-}313\text{ K}$
Temperature: Storage	$-40\text{-}65\text{ }^{\circ}\text{C}$ $-40\text{-}149\text{ }^{\circ}\text{F}$ $233\text{-}338\text{ K}$
Temperature effect: on span	0.01 % of reading/ $^{\circ}\text{C}$
Temperature effect: on zero	0.0025 % F.S./ $^{\circ}\text{C}$
Temperature stabilization	$45\text{ }^{\circ}\text{C}$ $113\text{ }^{\circ}\text{F}$ 318 K
Volume	$\leq 4.2\text{ cm}^3$
Weight	$\leq 900\text{ g}$

Order number
CMR 371 PT R25 102

Accessories	
Accessory for ActiveLine gauges and controllers	
Mating connector	B 4707 283 MA
Sensor cable, 3 m	PT 448 250 -T