



**CMR 371, 1000 hPa F.S.,  
DN 16 ISO-KF**



**PFEIFFER**  **VACUUM**

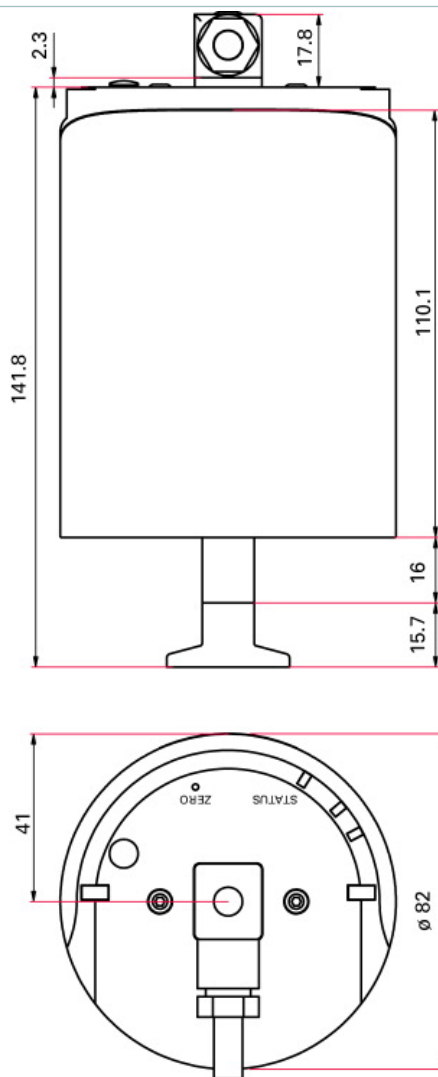


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## CMR 371, 1000 hPa F.S., DN 16 ISO-KF

- 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



[www.pfeiffer-vacuum.net](http://www.pfeiffer-vacuum.net)

Technical Data	CMR 371, 1000 hPa F.S., DN 16 ISO-KF
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 ( $\text{Al}_2\text{O}_3$ 99.5 %)
Method of measurement	Capacitance
Nominal diameter	DN 16 ISO-KF
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	IP40
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	$45\text{ }^{\circ}\text{C}$   $113\text{ }^{\circ}\text{F}$   $318\text{ K}$
Volume	$\leq 4.2\text{ cm}^3$
Weight	$\leq 900\text{ g}$

Order number
CMR 371
PT R25 101

Accessories
<b>Accessory for ActiveLine gauges and controllers</b>
Mating connector
Sensor cable, 3 m
<b>Vacuum accessories</b>
Centering ring with metal mesh-fine filter, pore size 4 m, FPM/stainless steel
Centering ring with poral filter, pore size 20 m, FPM/stainless steel

B 4707 283 MA

PT 448 250 -T

PT 120 132 -T

PF 117 216 -T