

CMR 374, 1 hPa F.S., 8 VCR



 **伯東**
Hakuto

PFEIFFER  **VACUUM**

CMR 374, 1 hPa F.S., 8 VCR

- Precise pressure measurement independent of type of gas
- Measurement range up to four decades
- Gauge for connection to TPG
- Measurement range from $1 \cdot 10^{-4}$ to 1.1 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

Technical Data	CMR 374, 1 hPa F.S., 8 VCR
Accuracy	0,15
Accuracy: % of measurement	0,15
Bakeout temperature max. at the flange	$\leq 110 \text{ }^{\circ}\text{C} \mid \leq 230 \text{ }^{\circ}\text{F} \mid \leq 383 \text{ K}$
Full Scale	1 hPa 0.75 Torr 1 mbar
Measurement range max.	1.1 hPa 0.82 Torr 1.1 mbar
Measurement range min.	$1 \cdot 10^{-4} \text{ hPa} \mid 7.5 \cdot 10^{-5} \text{ Torr} \mid 1 \cdot 10^{-4} \text{ mbar}$
Membrane and measuring chamber	Ceramics (Al_2O_3 99.5 %)
Method of measurement	Capacitance
Nominal diameter	Cajon 8 VCR
Output signal: Minimum load	> 10 k Ω
Output signal: Pressure range	1 - 9.8 V
Output signal: Sensor error above	> 9.8 V
Output signal: Sensor error below	< 0.4 V
Pipe and flange	Stainless steel
Pressure max.	2,000 hPa 1,500 Torr 2,000 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	$10\text{-}40 \text{ }^{\circ}\text{C} \mid 50\text{-}104 \text{ }^{\circ}\text{F} \mid 283\text{-}313 \text{ K}$
Temperature: Storage	$\text{-}40\text{-}65 \text{ }^{\circ}\text{C} \mid \text{-}40\text{-}149 \text{ }^{\circ}\text{F} \mid 233\text{-}338 \text{ K}$
Temperature effect: on span	0.01 % of reading/ $^{\circ}\text{C}$
Temperature effect: on zero	0.0025 % F.S./ $^{\circ}\text{C}$
Temperature stabilization	$45 \text{ }^{\circ}\text{C} \mid 113 \text{ }^{\circ}\text{F} \mid 318 \text{ K}$
Volume	$\leq 4.2 \text{ cm}^3$
Weight	$\leq 900 \text{ g}$

Order number	
CMR 374	PT R25 133

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