



CCR 374, 1 Torr F.S., DN 16 ISO-KF



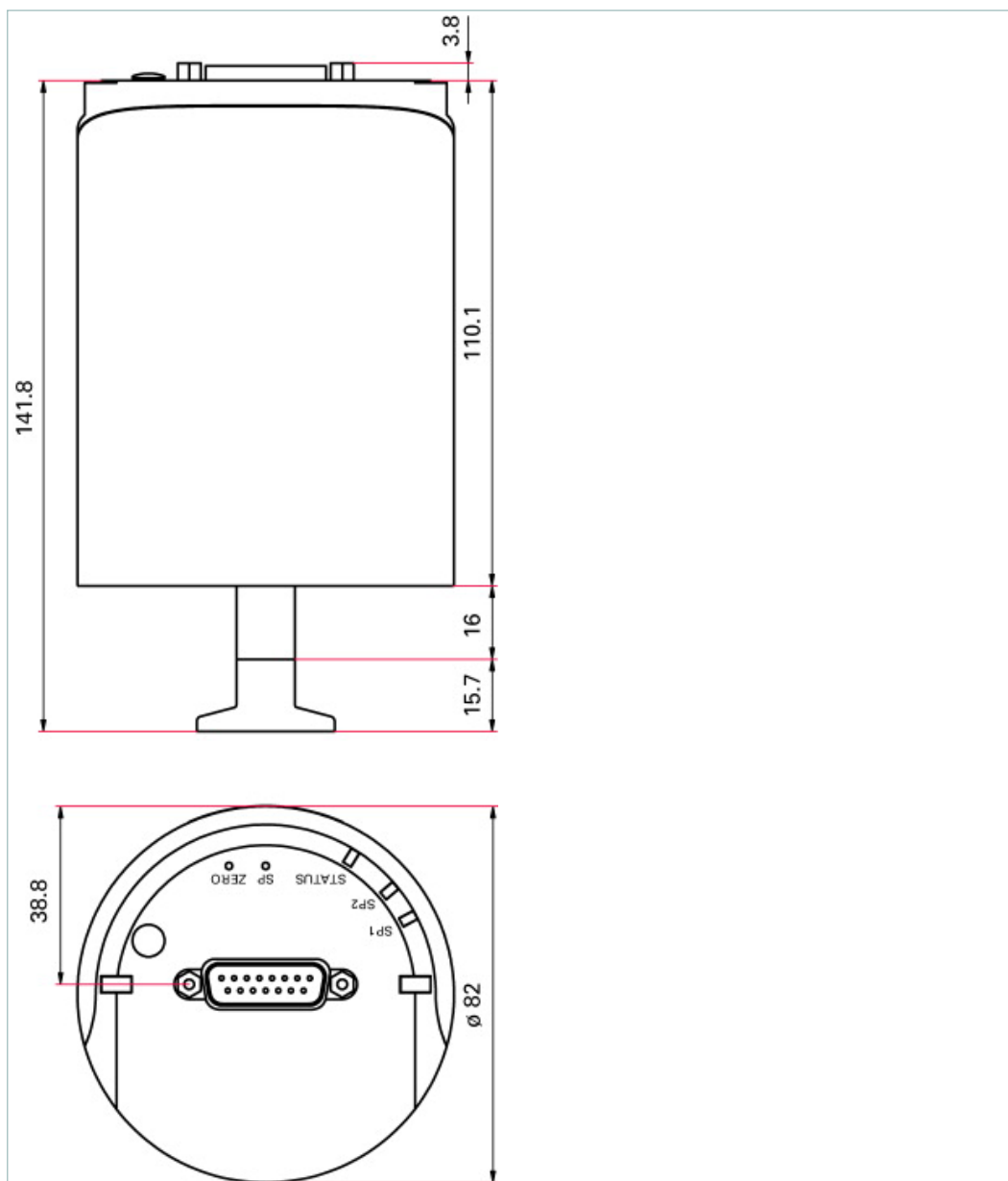


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- Precise pressure measurement independent of type of gas
- Measurement range up to four decades
- Connector plug D-sub 15-pole, output signal and plug-and-socket connector compatible with MKS Baratron®
- Measurement range from $1,33 \cdot 10^{-4}$ hPa to 1,3 hPa
- Outstanding long-term and temperature stability
- Only marginal zero drift
- Corrosion-resistant ceramic technology
- Additional protection against pollution by Sensorshield
- Output signal an connector compatible with MKS Baratron
- Fully equivalent replacement for MKS
- Excellent zero stability
- Calibration test report included in delivery

Dimensions



Technical Data	CCR 374, 1 Torr 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 Torr
Measurement range max.	1.3 hPa 0.97 Torr 1.3 mbar
Measurement range min.	$1.33 \cdot 10^{-4}\text{ hPa}$ $9.98 \cdot 10^{-5}\text{ Torr}$ $1.33 \cdot 10^{-4}\text{ mbar}$
Membrane and measuring chamber	Ceramics (Al_2O_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	0-10 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	$10\text{-}40\text{ }^{\circ}\text{C}$ $50\text{-}104\text{ }^{\circ}\text{F}$ $283\text{-}313\text{ K}$
Temperature: Storage	$\text{-}40\text{-}65\text{ }^{\circ}\text{C}$ $\text{-}40\text{-}149\text{ }^{\circ}\text{F}$ $233\text{-}338\text{ K}$
Temperature effect: on span	0.01 % of reading/ $^{\circ}\text{C}$
Temperature effect: on zero	0.0025 % F.S./ $^{\circ}\text{C}$
Volume	$\leq 4.2\text{ cm}^3$
Weight	$\leq 900\text{ g}$

Order number
CCR 374
PT R28 131

Accessories
Vacuum accessories
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
PT 120 132 -T
PF 117 216 -T