



CCR 375, 0,1 Torr F.S., DN 16 ISO-KF



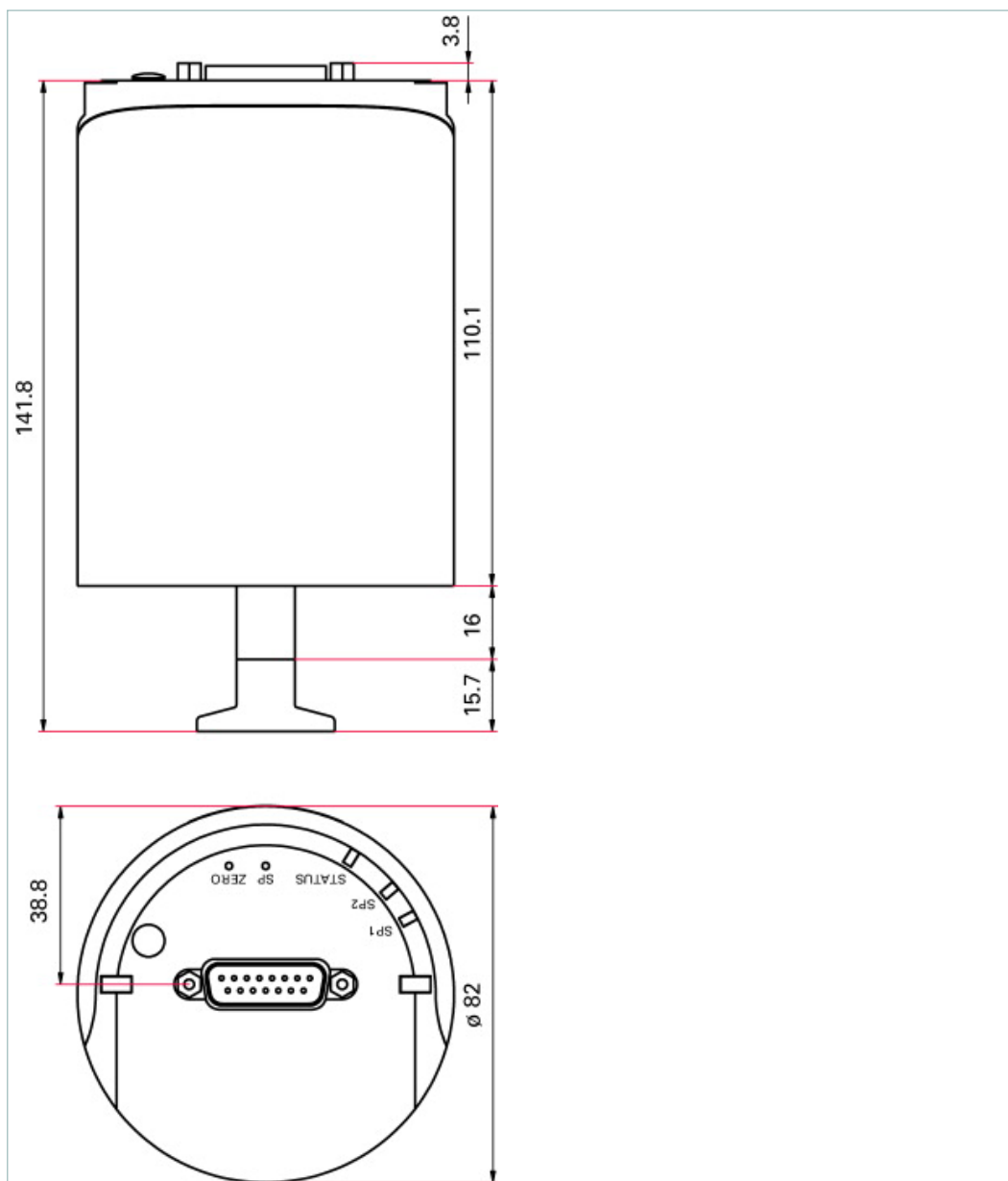


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CCR 375, 0,1 Torr F.S., DN 16 ISO-KF

- 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 $1.33 \cdot 10^{-5}$ hPa to 0.13 hPa
- Outstanding long-term and temperature stability
- Only marginal zero drift
- Corrosion-resistant ceramic technology
- Additional protection against pollution by Sensorshield
- Output signal and connector compatible with MKS Baratron
- Fully equivalent replacement for MKS
- Excellent zero stability
- Calibration test report included in delivery

Dimensions



| Technical Data | CCR 375, 0,1 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 | 0.1 Torr |
| Measurement range max. | 0.13 hPa 0.1 Torr 0.13 mbar |
| Measurement range min. | $1.33 \cdot 10^{-5}\text{ hPa}$ $9.97 \cdot 10^{-6}\text{ Torr}$ $1.33 \cdot 10^{-5}\text{ mbar}$ |
| 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. | 1,300 hPa 975 Torr 1,300 mbar |
| Protection category | IP40 |
| Resolution | 0.003 % F.S. |
| Response time | 130 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 375 | PT R28 141 |

| Accessories | |
|--|---------------|
| Vacuum accessories | |
| Centering ring with metal mesh-fine filter, pore size 4 m, FPM/stainless steel | PT 120 132 -T |
| Centering ring with poral filter, pore size 20 m, FPM/stainless steel | PF 117 216 -T |