



**CCR 371, 1000 Torr F.S., 8 VCR**



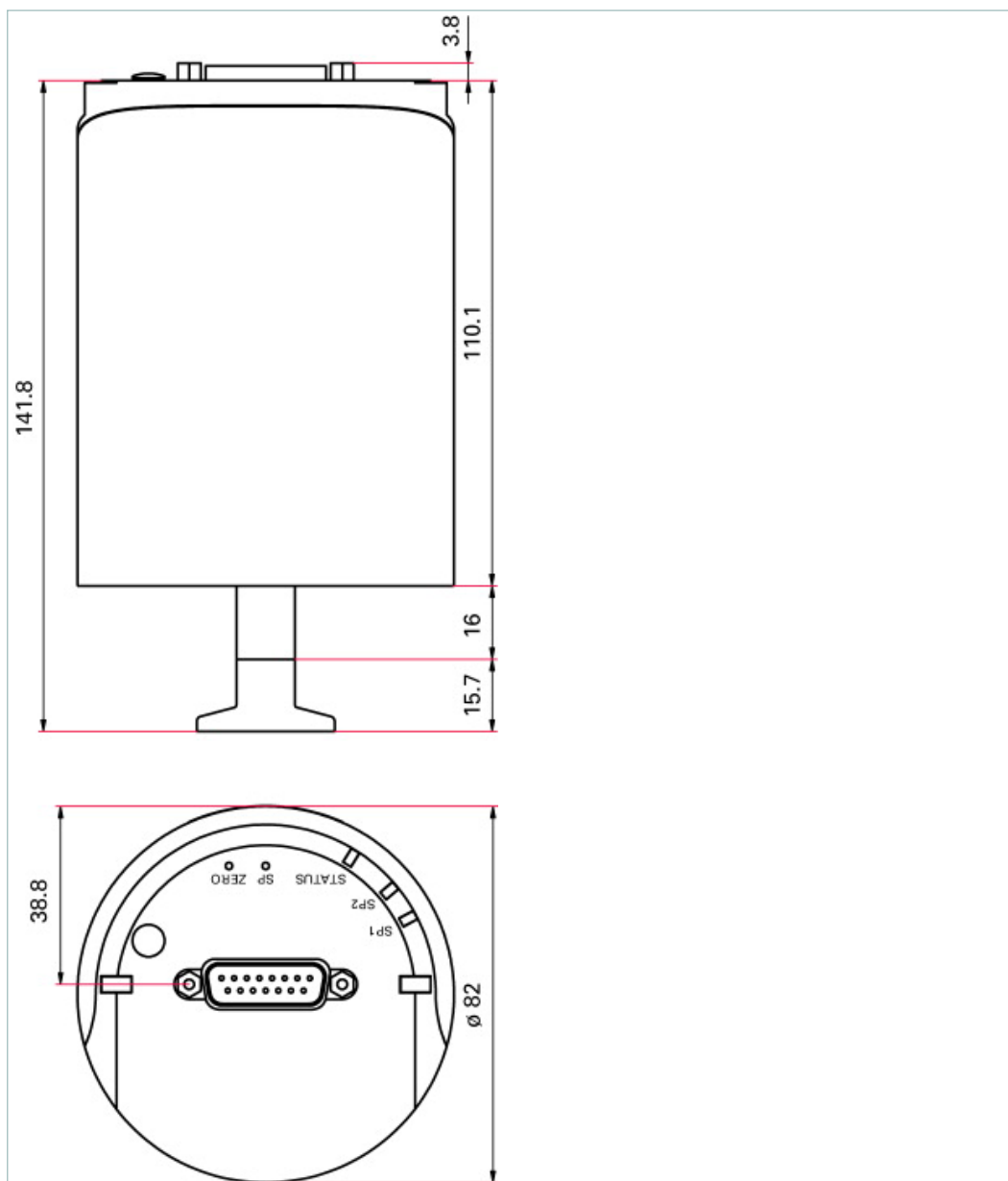


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## CCR 371, 1000 Torr F.S., 8 VCR

- 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  $1.33 \cdot 10^{-1}$  hPa to 1333 hPa
- Fully equivalent replacement for MKS
- 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
- Excellent zero stability
- Calibration test report included in delivery

### Dimensions



Technical Data	CCR 371, 1000 Torr F.S., 8 VCR
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	1000 Torr
Measurement range max.	1,333 hPa   999.75 Torr   1,333 mbar
Measurement range min.	$1.33 \cdot 10^{-1}$ hPa   $9.98 \cdot 10^{-2}$ Torr   $1.33 \cdot 10^{-1}$ mbar
Membrane and measuring chamber	Ceramics ( $\text{Al}_2\text{O}_3$ 99.5 %)
Method of measurement	Capacitance
Nominal diameter	Cajon 8 VCR
Output signal: Minimum load	$> 10\text{ k}\Omega$
Output signal: Pressure range	0-10 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	$\text{-}40\text{-}65\text{ }^{\circ}\text{C}$   $\text{-}40\text{-}149\text{ }^{\circ}\text{F}$   $233\text{-}338\text{ K}$
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 371	PT R28 103