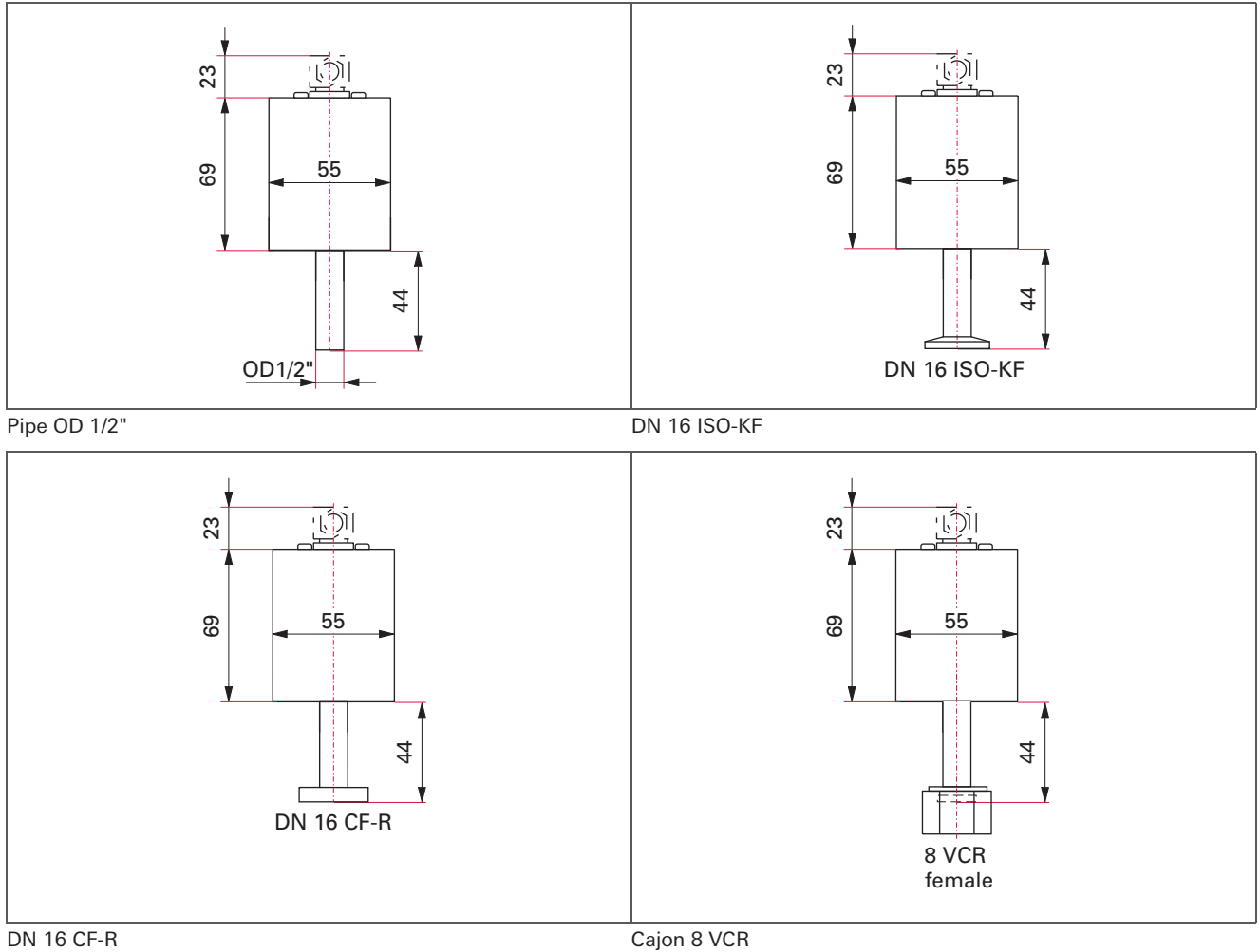


Capacitance transmitters CMR (1 · 10⁻⁵ - 1100 hPa) temperature compensated



- Sensor in ceramic technology
- No memory effects
- Materials employed have identical temperature coefficients
- Excellent temperature compensation
- Resistant to corrosive gases
- Excellent zero stability

Dimensions (in mm)



Technical data	CMR 361, 1000 hPa F.S.	CMR 362, 100 hPa F.S.	CMR 363, 10 hPa F.S.	CMR 364, 1 hPa F.S.	CMR 365, 0.1 hPa F.S.
Resolution	0.003 % F.S.	0.003 % F.S.	0.003 % F.S.	0.003 % F.S.	0.003 % F.S.
Output signal: Sensor error above	> 9.8 V	> 9.8 V	> 9.8 V	> 9.8 V	> 9.8 V
Output signal: Sensor error below	< 0.4 V	< 0.4 V	< 0.4 V	< 0.4 V	< 0.4 V
Output signal: Pressure range	1 - 9.8 V	1 - 9.8 V	1 - 9.8 V	1 - 9.8 V	1 - 9.8 V
Output signal: Minimum load	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ
Bakeout temperature max. at the flange	≤ 110 °C	≤ 110 °C	≤ 110 °C	≤ 110 °C	≤ 110 °C
Pressure max.	3 bar	2 bar	2 bar	2 bar	1.3 bar
Accuracy	0.2 % of reading	0.2 % of reading	0.2 % of reading	0.2 % of reading	0.5 % of reading
Membrane and measuring chamber	Ceramics (Al ₂ O ₃ ≤ 99,5 %)	Ceramics (Al ₂ O ₃ ≤ 99,5 %)	Ceramics (Al ₂ O ₃ ≤ 99,5 %)	Ceramics (Al ₂ O ₃ ≤ 99,5 %)	Ceramics (Al ₂ O ₃ ≤ 99,5 %)
Measurement range max.	1100 hPa	110 hPa	11 hPa	1.1 hPa	0.11 hPa
Measurement range min.	1 · 10 ⁻¹ hPa	1 · 10 ⁻² hPa	1 · 10 ⁻³ hPa	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁵ hPa
Sensor cable length	≤ 120 m	≤ 120 m	≤ 120 m	≤ 120 m	120 m
Response time	30 ms	30 ms	30 ms	30 ms	130 ms
Pipe and flange	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Protection category	IP 30	IP 30	IP 30	IP 30	IP 30
Temperature: Operating	5-50 °C	5-50 °C	5-50 °C	5-50 °C	5-50 °C
Temperature effect: on span	0.01 % of reading/°C	0.01 % of reading/°C	0.01 % of reading/°C	0.01 % of reading/°C	0.03 % of reading/°C
Temperature effect: on zero	0.005 % F.S./°C	0.005 % F.S./°C	0.005 % F.S./°C	0.015 % F.S./°C	0.02 % F.S./°C
Temperature: Storage	-40-+65 °C	-40-+65 °C	-40-+65 °C	-40-+65 °C	-40-+65 °C
Supply: Voltage	14-30 V DC	14-30 V DC	14-30 V DC	14-30 V DC	14-30 V DC
Supply: Power consumption max.	≤ 1 W	≤ 1 W	≤ 1 W	≤ 1 W	≤ 1 W
Volume	≤ 3.6 cm ³	≤ 3.6 cm ³	≤ 3.6 cm ³	≤ 3.6 cm ³	≤ 3.6 cm ³

	CMR 361, 1000 hPa F.S.	CMR 362, 100 hPa F.S.	CMR 363, 10 hPa F.S.	CMR 364, 1 hPa F.S.	CMR 365, 0.1 hPa F.S.
Flange (in)	Pipe OD 1/2"	Pipe OD 1/2"	Pipe OD 1/2"	Pipe OD 1/2"	Pipe OD 1/2"
Weight	≤ 310 g	≤ 310 g	≤ 310 g	≤ 310 g	≤ 310 g
Order number	PT R24 600	PT R24 610	PT R24 620	PT R24 630	PT R24 640
Flange (in)	DN 16 ISO-KF	DN 16 ISO-KF	DN 16 ISO-KF	DN 16 ISO-KF	DN 16 ISO-KF
Weight	≤ 330 g	≤ 330 g	≤ 330 g	≤ 330 g	≤ 330 g
Order number	PT R24 601	PT R24 611	PT R24 621	PT R24 631	PT R24 641
Flange (in)	DN 16 CF-R	DN 16 CF-R	DN 16 CF-R	DN 16 CF-R	DN 16 CF-R
Weight	≤ 350 g	≤ 350 g	≤ 350 g	≤ 350 g	≤ 350 g
Order number	PT R24 602	PT R24 612	PT R24 622	PT R24 632	PT R24 642
Flange (in)	Cajon 8 VCR	Cajon 8 VCR	Cajon 8 VCR	Cajon 8 VCR	Cajon 8 VCR
Weight	≤ 370 g	≤ 370 g	≤ 370 g	≤ 370 g	≤ 370 g
Order number	PT R24 603	PT R24 613	PT R24 623	PT R24 633	PT R24 643

Accessories					
Sensor cable, 3 m	PT 448 250 -T	PT 448 250 -T	PT 448 250 -T	PT 448 250 -T	PT 448 250 -T
Mating connector	B 4707 283 MA	B 4707 283 MA	B 4707 283 MA	B 4707 283 MA	B 4707 283 MA