



TPR 270, DN 16 ISO-KF



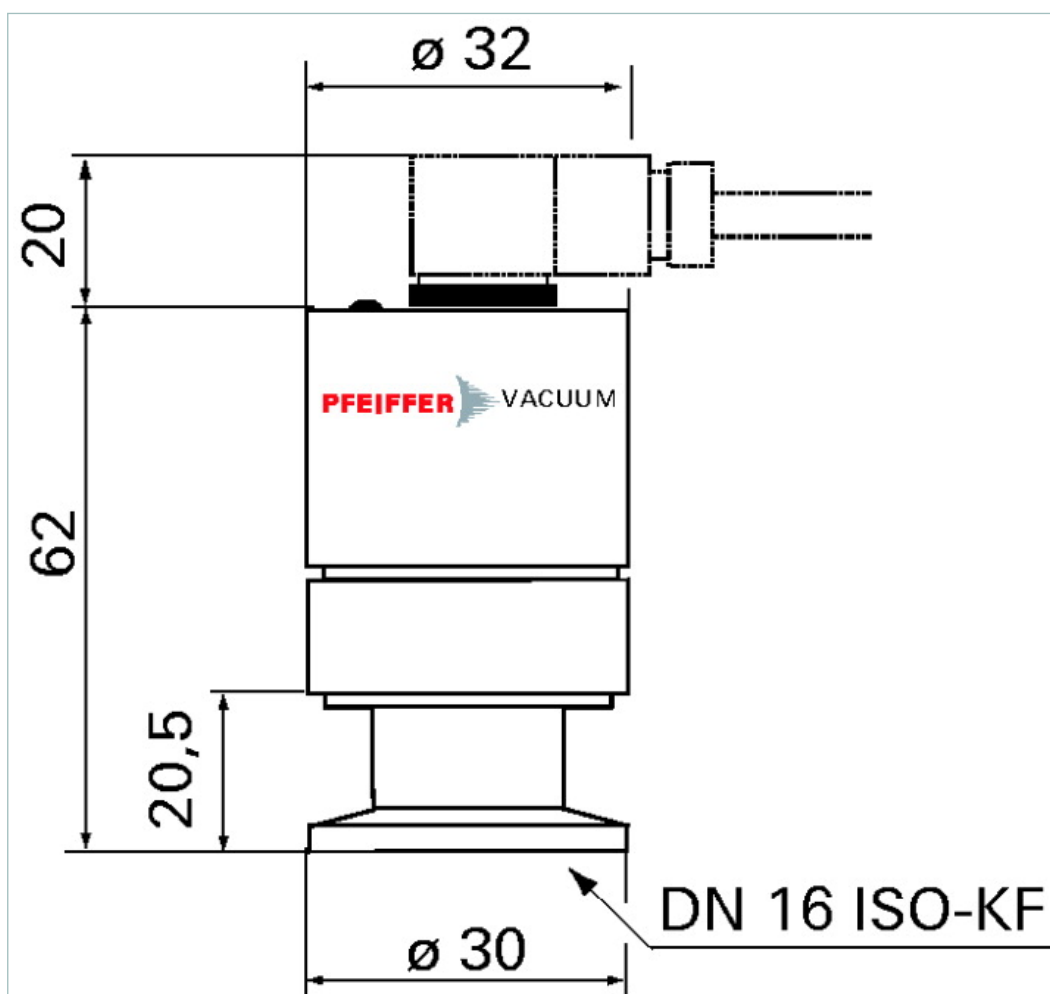


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TPR 270, DN 16 ISO-KF

- Particularly thermally stable
- Display range $1 \cdot 10^{-4}$ to 1000 hPa
- Flange size: DN 16 ISO-KF
- For general vacuum applications
- Compact and rugged
- Maximum pressure refers to inert gases

Dimensions



Technical Data	TPR 270, DN 16 ISO-KF
Accuracy: % of measurement	$< 2 \cdot 10^{-3}$: $< \text{Faktor } 2$, $2 \cdot 10^{-3}$ - 20 hPa: $\pm 10 \%$, 20 - 1000 hPa: $\pm 30 \%$
Bakeout temperature	80 °C 176 °F 353 K
Connection for gauge	6-pole female cable connector, screw-fastened
Feedthrough	Glass
Filament	Tungsten
Materials in contact with media	Tungsten, stainless steel 1.4307, nickel
Measurement range max.	1,000 hPa 750 Torr 1,000 mbar
Measurement range min.	$1 \cdot 10^{-4}$ hPa $7.5 \cdot 10^{-5}$ Torr $1 \cdot 10^{-4}$ mbar
Method of measurement	Pirani
Nominal diameter	DN 16 ISO-KF

Technical Data	TPR 270, DN 16 ISO-KF
Output signal: Pressure range	1.5 - 8.5 V
Pressure max.	4,000 hPa 3,000 Torr 4,000 mbar
Protection category	IP40
Repeatability: % of measurement	$2 \cdot 10^{-3}$ - 20 hPa \pm 2 %
Seal	Metal
Sensor cable length	≤ 150 (5 x 0.25 mm ²); 200 (5 x 0.34 mm ²) m
Supply: Voltage	15-30 V DC
Temperature: Operating	5-60 °C 41-140 °F 278-333 K
Temperature: Storage	-40-70 °C -40-158 °F 233-343 K
Weight	105 g

Order number	
TPR 270	PT R26 770

Accessories	
Accessory for ActiveLine gauges and controllers	
Mating connector	B 4707 283 MA
Sensor cable, 10 m	PT 448 252 -T
Sensor cable, 3 m	PT 448 250 -T
Sensor cable, 6 m	PT 448 251 -T
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