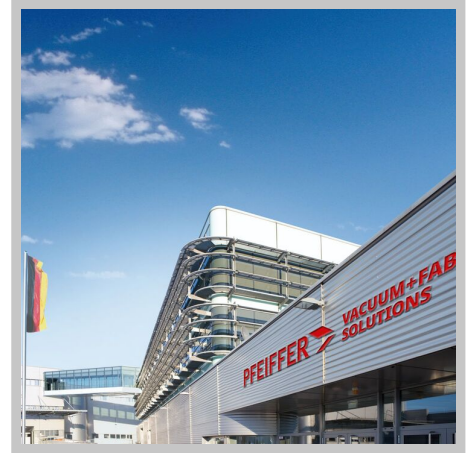




RPT 010, digital Piezo/Pirani sensor, V DC

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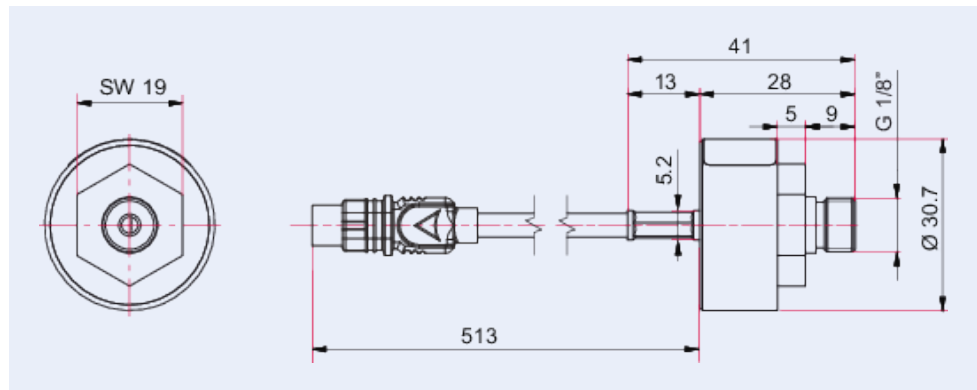


Illustration only

RPT 010, digital Piezo/Pirani sensor, V DC

- Stable, coarse vacuum measurement independent of gas type
- Compact dimensions
- Direct installation, no additional power supply
- No additional measurement cable required
- Display range: $1 \cdot 10^{-4}$ – 1200 hPa

Dimensions



Technical Data	RPT 010, digital Piezo/Pirani sensor, V DC
Measuring range	$5 \cdot 10^{-4} - 1.2 \cdot 10^3$ hPa
Materials in contact with media	Ceramic Stainless steel Tungsten Nickel Silicon oxide Glass Araldite Solder
Measurement cable length min.	0.5 m
Supply: Power consumption max.	0.25 W
Interface: Connection, device side	Cable with (micro USB plug)
Ambient temperature	5 – 60 °C
Mounting orientation	Arbitrary
Temperature: Storage, max	70 °C
Temperature: Storage, min	-40 °C
Certification	CE cTUVus certified according to UL / CSA 61010-1
Accuracy of measurement in range 1	50 % ($5 \cdot 10^{-4}$ hPa – $1 \cdot 10^{-3}$ hPa)
Accuracy of measurement in range 2	15 % ($1 \cdot 10^{-3}$ hPa – $1 \cdot 10^2$ hPa)
Accuracy of measurement in range 3	1.25 % (full scale) ($1 \cdot 10^2$ hPa – $1.2 \cdot 10^3$ hPa)
Measuring method	Piezo Pirani
Input voltage(s)	5 V DC
Volume	0.4 cm ³
Pressure max.	$2 \cdot 10^3$ hPa $1.5 \cdot 10^3$ Torr $2 \cdot 10^3$ mbar
Weight	92 g
Ambient pressure	790 – 1060 hPa
Pressure max.	2,000 hPa
Measuring cycle	100 ms
Power consumption max.	0.25 W
Usage	Only in indoor areas
Weight	92 g
Connection flange (in)	G 1/8"
Repeatability in range 1	3 % ($1 \cdot 10^{-3}$ hPa – $1 \cdot 10^2$ hPa)
Repeatability in range 2	3 % (full scale) ($1 \cdot 10^1$ hPa – 1200 hPa)

Order number	RPT 010, digital Piezo/Pirani sensor, V DC
RPT 010, digital Piezo/Pirani sensor, V DC	PT R71 550



Errors and/or changes excepted. - 2/24/2025

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