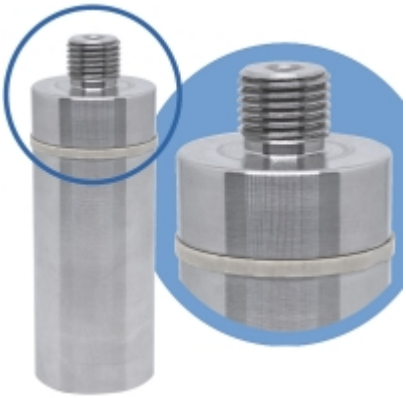
Pirani Vacuum Logger with thread



A pressure data logger for **plasma** (hydrogen peroxide) autoclaves and very low temperature and extreme vacuum **freeze drying** processes with very high features. This is the version with a ½ Gass thread for external mount on autoclaves.

Two combined sensors, one for extreme vacuum and one for higher pressures, up to 1200 mbar allow to obtain an incredible accuracy of ±0,004 and a resolution of 0,0001 mbar.

The software is Windows based and communicates by means of a USB interface (DiskInterface HS).
Battery is **user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable certificate** on different points.



Applications

- Validation
- Plasma (H2O2) Autoclave
- Pharmaceutical
- Laboratories
- Medical
- Healthcare
- Sterilisation
- Cosmetics
- Freeze-drying

Main features

- Resists up to 85°C
- Available in two versions: standard and with ½ Gass threaded connector
- Low battery consumption for an extended battery life
- User **replaceable battery** (**software shows battery status**)
- Reference traceable calibration certificate included

Plus

- Extremely high accuracy and precision in extreme vacuum
- Easy to use
- Battery with extremely extended life
- Printed reports compliant with health regulations and ISO (data are not editable in the software)

The system

The system is made up by:

- Pirani Vacuum Logger pressure data logger
- DiskInterface HS
- TS Manager 3 software

Accessories

- TS Manager 3
- DiskInterface HS

Technical specifications

Dimensions	84 h X 30 Ø (mm) - 31 Ø (mm) PEEK ring
Weight	160 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
Temperature range	-80 °C ÷ +85 °C
Pressure range	0,001 mbar ÷ 1200 mbar absolute
Standard calibration points (pressure)	0,002 / 0,005 / 0,02 / 0,05 / 0,2 / 0,5 / 2 / 5 / 25 / 50 / 300 / 500 / atmospheric pressure mbar @ -20°C / amb. t. (25°C +/-10°C) / 50°C / 80°C
Extra calibration points (pressure)	Within the range 0.01 mbar ÷ 1200 mbar absolute
Pressure resolution	0,0001 mbar
Pressure accuracy	± 0,004 (0,001 ÷ 0,0049) / ± 0,009 (0,005 ÷ 0,009) / ± 0,015 (0,01 ÷ 0,09) / ± 0,1 (0,1 ÷ 0,99) / ± 0,5 (1 ÷ 4,99) / ± 1,5 (5 ÷ 9,99) / ± 2,5 (10 ÷ 99,99) / ± 8 (100 ÷ Atm. P.); all values in mbar @25°C +/- 10°C
Memory (n. of acquisitions)	43.690
Acquisition step	From 1 every second up
Battery life	+19.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Software&Mobile App	TS Manager 3
Accessories	DiskInterface HS

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