



# Temperature & Pressure Data Logger EBI 12

for the validation of processes in a VH<sub>2</sub>O<sub>2</sub> sterilizer

## RED LINE

## EBI 12-TP190

The EBI 12 data logger was developed for the high-precision measurement of a fine vacuum. It is used to measure the absolute pressure in the VH<sub>2</sub>O<sub>2</sub> sterilizer.

- compact design
- High accurate pressure measurement
- high accurate temperature measurement up to 0.1 °C

### Technical Data:

Operating Temperature	0 °C ... +85 °C
Measuring range: Temperature	0 °C ... +85 °C
Measuring range: Pressure	0.1 ... 1,050 mbar (0.1 ... 788 Torr)
Accuracy: Temperature	± 0.1 °C
Accuracy: Pressure	± 0.25 mbar (0.1 mbar ... 50 mbar) ± 5% from the measurement (50 mbar ... 100 mbar) ± 1% FS (100 mbar ... 1,050 mbar)
Resolution: Temperature	0.01 °C
Resolution: Pressure	0.1 mbar
Data memory	50,160 measurements
Sensor: Temperature	PT1000, class A
Sensor: Pressure	Piezoresistive pressure sensor
Measurement interval	250 ms ... 24 hours
Real-time data transmission	Yes
Storage Temperature	-20 °C ... +70 °C
Measurement modes	<ul style="list-style-type: none"> <li>• endless measurement</li> <li>• Measure upon starttime</li> <li>• Start immediately until end of memory</li> <li>• Start- / Stop measurement</li> </ul>
Battery	Lithium, 3.6 V, User-replaceable
Dimensions	(Ø x H) 48 mm x 35 mm
Weight	app. 90 g
Housing Material	316 L stainless steel / PEEK
Protection class	IP68
Factory Calibration Certificate	0 °C and +60 °C ≤ 0.5 mbar and 50 mbar (at +25 °C) ≤ 0.5 mbar, 10 mbar and 50 mbar (at +60 °C)



### Standards and Directives:

- 2014/53/EU  
Radio Equipment Directive RED

Type	Description	Part-No.
EBI 12-TP190	internal temperature sensor	1340-6665

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