Temperature & Pressure Data Logger EBI 12

for process validation of sterilization processes with ethylene oxide

RED LINE

EBI 12-TH100-EX

The EBI 12 data logger was developed for the precise measurement of relative humidity, especially in sterilization processes with EO.

- High accuracy
- Compact Design
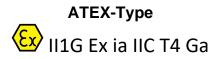- Replaceable humidity probe

Technical Data:

Operating temperature	-20 °C … +85 °C
ATEX approved	Yes
Permissible ambient conditions in the hazardous area	-20 °C … +85 °C 100 Pa … 400 kPa
Measurement range: Temperature	-20 °C … +85 °C
Measurement range: Humidity	0 %rH… 100 %rH
Accuracy: Temperature	± 0.1 °C
Accuracy: Humidity	± 2 %rF, (10 %rF ... 90 %rF) at 25°C non-condensing, remaining range ±7%
Resolution: Temperature	0.01 °C
Resolution: Humidity	0.1 %rF
Data memory	2x 50.160 measurements
Sensor: Temperature	PT1000, class A
Sensor: Humidity	Capacitive
Measurement interval:	1 s … 24 hours
Real-time data transmission	yes
Storage temperature	-20 °C … +70 °C
Measurement modes	• Endless measurement • Measure upon starttime • Start immediately until end of memory • Start- / Stop measurement
Battery	Lithium, 3.6 V, User-replaceable
Dimensions	(Ø x H) 48 mm x 70 mm
Weight	app. 110 g
Housing material	316 L stainless steel / PEEK
Protection class	IP52
Factory Calibration Certificate	0 °C and +60 °C 32.8 %rH, 52.9 %rH and 75.4 %rH (at +25 °C)

Standards and Directives:

- 2014/34/EU
  ATEX Directive
- 2014/53/EU
  Radio Equipment Directive RED

ATEX-Type

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Type	Description	Part-No.
EBI 12-TH100-EX	Ex-Version	1340-6671-EX

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a xylem brand