



Temperature Data Logger EBI 12

for monitoring, process and routine control as well as temperature mapping

RED LINE

EBI 12-T103-EX

The EBI 12 data logger stands out due to its robustness and versatile use.

- High-quality stainless-steel housing
- Measurement range from -82 °C to 150 °C
- High temperature accuracy up to ± 0.05 °C



Technical Data:

Operating temperature	-90 °C ... +150 °C
ATEX approved	Yes
Permissible ambient conditions in the hazardous area	-40 °C ... +85 °C 100 Pa ... 400 kPa
Measurement range	-82 °C ... +150 °C
Accuracy	± 0.5 °C (-82 °C ... -40 °C) ± 0.2 °C (-40 °C ... 0 °C) ± 0.1 °C (0 °C ... +120 °C) ± 0.05 °C (+120 °C ... +140 °C) ± 0.1 °C (+140 °C ... +150 °C)
Resolution	0.01 °C
Data memory	100,320 measurements
Sensor	PT1000, class A
Measurement interval	250 ms ... 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
Dimension	(Ø x H) 48 mm x 24 mm
Weight	App. 90 g
Housing material	316 L stainless steel / PEEK
Protection class	IP68
Factory Calibration Certificate	-20 °C, 0 °C, +60 °C and +134 °C

Standards and Directives:

- 2014/34/EU
ATEX Directive
- ISO 15883
Washer Disinfectors
- FCM EN 1935/2004
Food Material Contact
- 2014/53/EU
Radio Equipment Directive
RED
- DIN EN 301 489
Electro Magnetic Compatibility
(EMC)

ATEX-Type



II1G Ex ia IIC T4 Ga

Type	Description	Part-No.
EBI 12-T103-EX	Internal temperature sensor	1340-6690-EX