

Mini Temperature Data Loggers EBI 11 Series

General technical specifications: valid for all EBI 11-T logger types

Operating temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Accuracy	±0.2 °C (-30 °C ... +0 °C) ±0.1 °C (0 °C ... +150 °C)
Time accuracy (24h)	< 5 sec
Resolution: temperature	0.01 °C
Data memory	15,000 measurements (total)
Sensor	Pt 1000, Class A
Sampling rate	1 sec ... 24 h
Measurement mode	<ul style="list-style-type: none"> • Endless measurement • Start / Stop measurement • Measure upon start time • Start immediately until end of memory
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Max. operating pressure	20 bar (abs.)
Battery	Lithium button cell, 2 x BR1225 A, 3V, replaceable
Dimensions (Ø x H)	16,5 mm x 24 mm*
Weight	Approximately 45 g *
Housing material	Stainless Steel (V4A)
Protection class	IP68
Certificate	Factory calibration certificate

* Dimensions and weight may be different depending on the type.

Product lines



Data loggers with this symbol are characterized by their very small size. For this reason, they are used in the smallest of spaces, for example to control pasteurization in bottles or to carry out thermal tests in small sterilizers.



Data loggers with this symbol are characterized by their very small size. That is why they are very popular with food manufacturers for testing the effects of temperature during pasteurization.

EBI 11-T210 Mini Temperature Data Logger rigid metal probe



Technical Data

Measurement range: temperature	-30 °C ... +140 °C (-22 °F ... +284 °F)
Data memory	15.000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

Expected to be available from Q2 2021.

- 1 external temperature probe, axial, pointed, Ø 3 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T210	Needle Length = 20 mm	1340-6260

EBI 11-T230 to T233 Mini Temperature Data Logger rigid metal probe



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15,000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, pointed, Ø 3 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T230	Needle Length = 20 mm	1340-6290
EBI 11-T231	Needle Length = 50 mm	1340-6292
EBI 11-T233	Needle Length = 100 mm	1340-6293

EBI 11-T235 to T237 Mini Temperature Data Logger *rigid metal probe*



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15,000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, blunt, Ø 1.95 mm
- Probe with M5 external thread

Type	Description	Part No.
EBI 11-T235	Needle Length = 25 mm	1340-6270
EBI 11-T236	Needle Length = 80 mm	1340-6271
EBI 11-T237	Needle Length = 165 mm	1340-6272

EBI 11-T240 Mini Temperature Data Logger *bendable metal probe*



Technical Data

Measurement range: temperature	-30 °C ... +150 °C (-22 °F ... +302 °F)
Data memory	15.000 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C

- 1 external temperature probe, axial, bendable, Ø 1.5 mm

Type	Description	Part No.
EBI 11-T240	Needle Length = 250 mm	1340-6291

Mini Temperature / Pressure Data Loggers EBI 11 Series

General technical specifications: valid for all EBI 11-P logger types

Operating temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Accuracy: temperature	±0.1 °C (0 °C ... +150 °C)
Accuracy: pressure	±15 mbar (0 mbar ... 4,000 mbar) ±20 mbar (4,000 mbar ... 10,000 mbar)
Time accuracy (24h)	< 5 sec
Resolution: temperature	0.01 °C
Resolution: pressure	1 mbar
Data memory	7,500 measurement values per channel
Sensor: temperature	Pt 1000, Class A
Sensor: pressure	Piezoresistive (temperature compensated)
Sampling rate	1 sec ... 24 h
Measurement mode	<ul style="list-style-type: none"> • Endless measurement • Start / Stop measurement • Measure upon start time • Start immediately until end of memory
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Max. operating pressure	20 bar (abs.)
Battery	Lithium, 2x BR1225A, 3V, user replaceable
Dimensions (Ø x H)	16,5 mm x 48 mm*
Weight	Approximately 45 g *
Housing material	Stainless Steel (V4A)
Protection class	IP68
Certificate	Factory calibration certificate

* Dimensions and weight may be different depending on the type.

