

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.

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.



EBI 11-P100 Mini Temperature / Pressure Data Logger
internal sensor



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-P100	Without pressure connector	1340-6295

EBI 11-P111 Mini Temperature / Pressure Data Logger
Luer-Lock connection



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-P111	Luer-Lock connection	1340-6296

EBI 11-TP110 Mini Temperature / Pressure Data Logger M5 thread connection



Technical Data

Measurement range: temperature	0 °C ... +150 °C (+32 °F ... +302 °F)
Measurement range: pressure	1 mbar ... 10,000 mbar
Data memory	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at +134 °C

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-TP110	M5 thread	1340-6297

EBI 11-TP210 Mini-Temperature / Pressure Data Logger M5 thread connection



Technical Data

Measurement range: temperature	0 °C ... +140 °C (+32 °F ... +284 °F)
Measurement range: pressure	1 mbar ... 8,000 mbar
Accuracy: temperature	±0.1 °C
Accuracy: pressure	±20 mbar (1 mbar ... 4,000 mbar) ±40 mbar (4,000 mbar ... 8,000 mbar)
Data memory:	2 x 7,500 measurement values
Factory calibration certificate	0 °C, +60 °C and +134 °C 100 mbar, 3,100 mbar, 6,000 mbar at +25 °C and 3,100 mbar at 134 °C

Expected to be available from Q2 2021.

- 1 internal temperature sensor
- 1 internal pressure sensor

Type	Description	Part No.
EBI 11-TP210	Pressure data logger with M5 thread	1340-6265