

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 |