



# Temperature Data Logger EBI 12

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

## RED LINE

## EBI 12-T100

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

- High-quality stainless-steel housing
- Operating range from -90 °C to 150 °C
- High temperature accuracy of up to  $\pm 0.05$  °C



### Technical Data:

|                                 |   |
|---------------------------------|---|
| Operating temperature           | -90 °C ... +150 °C  |
| Measurement range               | -90 °C ... +150 °C  |
| Accuracy                        | $\pm 0.5$ °C (-90 °C ... -40 °C)<br>$\pm 0.2$ °C (-40 °C ... 0 °C)<br>$\pm 0.1$ °C (0 °C ... +120 °C)<br>$\pm 0.05$ °C (+120 °C ... +140 °C)<br>$\pm 0.1$ °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     | No  |
| Storage temperature             | -20 °C ... +70 °C   |
| Measurement modes               | <ul style="list-style-type: none"> <li>• endless measurement</li> <li>• Measure upon starttime</li> <li>• Start immediately until end of memory</li> <li>• Start- / Stop measurement</li> </ul> |
| Battery                         | Lithium, 3.6 V,<br>User-replaceable   |
| Dimensions                      | ( $\varnothing$ 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:

- 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)

| Type        | Description | Part No.  |
|-------------|-------------|-----------|
| EBI 12-T100 | Internal    | 1340-6600 |