

## EBI 12-TH100-EX Temperature / Humidity Data Logger usable with EtO



II1G Ex ia IIC T4 Ga



- 1 external temperature sensor (Pt 1000)
- 1 external humidity sensor (capacitive)
- Combined sensor replaceable

### Technical Data

Measurement range: Temperature (Use in EX area)	-20 °C ... +85 °C (-4 °F ... +185 °F)
Measurement range: Humidity	0 % rH ... 100 % rH
Accuracy: temperature	± 0.1 °C
Accuracy: humidity	± 2 % rH, non-condensing at 25 °C
Resolution: temperature	0.01 °C
Resolution: humidity	0.1 % rH
Data memory	2 x 50,000 measurement values
Measurement channels: temperature	external (Pt 1000)
Measurement channels: humidity	(capacitive); combined sensor replaceable
Measurement mode	<ul style="list-style-type: none"> <li>• Endless measurement immediately</li> <li>• Start / Stop measurement</li> <li>• Measure immediately until end of memory</li> </ul>
Storage temperature	-20 °C ... +70 °C
Max. operating pressure	2 bar (abs.)
Battery	Lithium cell, 3.6 V, user replaceable
Dimensions (D x H)	48 mm x 70 mm
Housing material	316 L Stainless steel / PEEK
Protection class	IP 52
Factory calibration certificate	0 °C and +60 °C 32.8 % rF, 52.9 % rF and 75.4 % rF at +25 °C

Type	Description	Part No.
EBI 12-TH100-EX	Temperature/Humidity	1340-6671-EX
AL 175 TH probe	Replacement probe for EBI12-TH100-EX	1341-6145

