

## Temperature Logger / Temperature Logger with external probe

### EBI 20-T / EBI 20-TE



#### Technical Data

Type	EBI 20-T / EBI 20-TE
Measuring range	-30°C ... +60°C (-22°F ... 140°F)
Probe	internal (EBI 20-T), external (EBI 20-TE)
Accuracy	±0.5°C (-20°C ... +40°C) / ±0.9°F (-4°F ... 104°F) ±0.8°C (±1.4°F) for the remaining measuring range
Resolution	0.1°C (0.2°F)
Memory	1 channel, 8,000 values
Sensor	NTC
Operating temperature	-30°C ... +60°C (-22°F ... 140°F)
Measuring rate	1 min – 24 h
Memory mode	· endless · start/stop measurement · start with key
Battery	3V lithium (CR2450), replaceable by user
Battery lifetime	> 24 months, measuring rate 15 min. at +25°C (77°F)
Protection class	IP 67
Housing material	ABS
Dimensions	69 x 48 x 22 mm
Weight	45 g

EBI 20-T / EBI 20-TE



Applications
<ul style="list-style-type: none"> <li>Ex II 1 G Ex ia II C T4</li> <li>Ex II 1D Ex ia D 20 IP 67 T 165°C</li> <li>Transport</li> <li>Reliable temperature recording</li> <li>Refrigerating and cooling rooms</li> <li>Storage monitoring</li> </ul>

Attributes
<ul style="list-style-type: none"> <li>External probe for measuring core temperature</li> <li>Excellent price/performance ratio</li> <li>Waterproof</li> <li>According to EN 12830</li> <li>Optical alarm</li> <li>Replaceable battery</li> <li>Min/Max values on display</li> </ul>

Description	Type	Part No.
Temperature logger	EBI 20 T	1601-0000
Starter set (logger, evaluation software, interface)	EBI 20-T-Set	1601-0005
Temperature logger with external probe	EBI 20-TE	1601-0002
Temperature logger set (logger, evaluation software, interface)	EBI 20-TE-Set	1601-0007
Data logger - Ex version	EBI 20-T EX	1601-0040
Data logger with external probe - Ex version	EBI 20-TE Ex	1601-0041
Interface for EBI 20	EBI 20-IF	1601-0020
Evaluation software	Winlog.basic	1340-2375
EBI 20 wall bracket	EBI 20-WM	1601-0030
EBI 20 truck wall bracket	EBI 20-WM-1	1601-0033

Comments	
ISO-calibration certificate available against surcharge.	Ambtronics Engineers Private Limited 17-B, Tarun Industrial Estate, Mogra Pada, New Nagardas Road, Andheri (E), Mumbai - 400069, India Tel: +91-22-66995525, 28371143 Fax: +91-22-28226570 E-mail: sales@ambtronics.com Web: www.ambtronics.com

## Temperature Logger with external probe

### EBI 20-TE1



**NEW 40,000**  
Memory Capacity

**DIN EN 13485**

#### Technical Data

Type	EBI 20-TE1
Measuring range	-30°C ... +60°C (-22°F ... 140°F)
Accuracy	±0.5°C at -20°C ... +40°C (±0.9°F at -4°F ... 104°F) ±0.8°C (±1.4°F) for the remaining measuring range
Resolution	0.1°C (0.2°F)
Memory	1 channel, <b>40,000 values</b>
Sensor	NTC
Operating temperature	-30°C ... +60°C (-22°F ... 140°F)
Measuring rate	1 min to 24 h
Memory mode	· endless · start/stop measurement · start with key
Battery	3V lithium (CR2450), exchangeable by user
Battery lifetime	> 24 months, measuring rate 15 min. at +25°C (77°F)
Protection class	IP 67
Housing material	ABS
Dimensions	69 x 48 x 22 mm
Weight	45 g

EBI 20-TE1



Applications
<ul style="list-style-type: none"> <li>Reliable temperature recording</li> <li>Core temperature measurement</li> <li>Transport</li> <li>Storage monitoring</li> <li>Refrigerating and cooling rooms</li> <li>Refrigerated display cases</li> <li>According to DIN EN 12830</li> </ul>

Attributes
<ul style="list-style-type: none"> <li>External probe for measuring core temperature</li> <li>Excellent price/performance ratio</li> <li>Automatic recording of temperature data</li> <li>Stores 40,000 measured values</li> <li>No network connection required</li> <li>Programming and evaluation with PC</li> <li>Waterproof</li> </ul>

Description	Type	Part No.
Temperature logger with external probe	EBI 20-TE1	1601-0043
Temperature logger set (logger, evaluation software, interface)	EBI 20-TE1-Set	1601-0047
Interface for EBI 20	EBI 20-IF	1601-0020
EBI 20 wall bracket	EBI 20-WM	1601-0030
EBI 20 truck wall bracket	EBI 20-WM-1	1601-0033

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## Food Temperature Data Logger

### EBI 20-TF with external probe



#### Technical Data

Type	EBI 20-TF
Channels	1
Sensor	NTC
Measuring range temperature	0°C up to +100°C
Accuracy temperature	± 0.8°C (50°C ... 100°C) ± 1.0°C for remaining measuring range
Resolution	0.1 °C
Memory	1 channel, 8,000 values
Measuring mode	Endless mode immediately; Start immediately until end of memory; Start/stop measurement; Start by pressing key
Measuring rate	Selectable from 1 s to 24 h
Battery	CR2450 field-replaceable
Battery life	> 24 months measuring rate 15 min @ 25°C
Dimensions	69 x 48 x 22 mm
Housing	ABS
Protection class	IP 67
Weight	45 g

Product-No 1601-0010

#### Applications: Food Logger EBI 20-TF

- Secure temperature recording
- Core temperature measurement
- Catering in hospitals and nursing homes according to DIN EN 12830
- "Meals on wheels"