EBI 310 TE Multi-Use USB Data Logger with external precision temperature probe

Measurement of high and low temperatures

EBI 310 TE

Technical Data

Measurement range external temperature	-200°C … +250°C (-328 °F ... +482 °F)
Measurement range internal temperature / operating temperature	-30 °C … +75°C (-22 °F ... +167 °F)
Accuracy (internal)	± 0.2 °C (- 30 °C … + 30 °C / -22 °F ... +86 °F) ± 0.5 °C for the remaining measurement range
Accuracy (external)	± 2.0 °C (- 200 °C … -100 °C / -328 °F ... -148 °F) ± 1.0 °C (- 100 °C … -20 °C / -148 °F ... -4 °F) ± 0.2 °C (- 20 °C … + 60 °C / -4 °F ... +160 °F) ± 0.5 °C (+60 °C … + 250 °C / +160 °F ... +482 °F)
Probe	Pt 1000, Stainless steel, Ø 5 mm, L = 50 mm, blunt
Cable	PTFE, L = 1 m, waterproof, oilproof and food safe
Resolution	0.1 °C
Dimensions (L x W x H)	91 x 33 x 14 mm
Protection class	IP 65
Battery	Lithium button cell (CR 2450), 3V
Battery life time	Up to 2 years, depending on applications

re-adjustable with Winlog.pro

- Simultaneous measurement of core temperature and ambient temperature
- Internal temperature probe usable additionally

Type	Description	Part No.
EBI 310 TE	USB Data logger with external precision temperature probe	1340-6337
TPX 220	Replacement probe for EBI 310 TE	1341-6332
TPX 220-3	Replacement probe with 3m cable for EBI 310 TE	1341-6332-0100

EBI 310 DI Multi-Use USB Data Logger for dry ice measurements

Precise temperature measurements in dry ice

EBI 310 DI

Technical Data

Measurement range external temperature / operating temperature	-85°C … +50°C (-121 °F ... +122 °F)
Measurement range internal temperature	-30 °C … +75°C (-22 °F ... +167 °F)
Accuracy (internal)	± 0.2 °C (- 30 °C … + 30 °C / -22 °F ... +86 °F) ± 0.5 °C for the remaining measurement range
Accuracy (external)	± 1.0 °C (- 85 °C … -20 °C / -121 °F ... -4 °F) ± 0.2 °C (- 20 °C … + 50 °C / -4 °F ... +122 °F)
Probe	Pt 1000, Stainless steel, Ø 5mm, L = 50mm, blunt
Cable	PTFE, L = 60cm, waterproof, oilproof and food safe
Resolution	0.1 °C
Dimensions (L x W x H)	100 x 33 x 14mm
Protection class	IP 65
Battery	Lithium button cell in the logger, lithium battery in the probe, both changeable by the user
Battery life time	**10 transports of up to 100h each**

re-adjustable with Winlog.pro

- Additional battery allows usage within dry ice
- Internal temperature probe usable additionally

Type	Description	Part No.
EBI 310 DI	USB Data logger for dry ice measurements	1340-6338
TPX 250	Replacement probe for EBI 310 DI	1341-6333
AL 118	Battery change set for TPX 250	1100-0126