

BL711 Multi Channel Thermal & Hygro Data Logger



The BL711 Multi Channel Thermal & Hygro Data Logger is a high-performance temperature and humidity data acquisition unit. It is suitable for the effectiveness inspection of temperature deviation, temperature uniformity, temperature fluctuation, relative humidity deviation, relative humidity uniformity and relative humidity fluctuation of environmental test equipment.

KEY FEATURES

- Automatic patrol detection of temperature, humidity, pressure, and wind speed sensors in 32 channels data logging simultaneously.
- Adaptive Recognition technology provides inserting any sensor in any channel can maintain high-speed and high-precision measurement results.
- User-friendly touch screen interface display measurement values, data detection, real time data logging, automatic calibration, manual data correction, parameter setting, thermal printing and etc.
- Built in 8900MAH battery, 1.5 hours charging time and 8 hours battery life
- Larger memory storage, USB flash driver

APPLICATION

- Temperature and humidity chamber
- Temperature and humidity drying oven
- High temperature carbonization furnace
- Aviation parts heat treatment furnace
- Muffle furnace
- Water bath pot
- Incubator
- Cement curing chamber
- Refrigerator and cold storage system
- Box resistance furnace

SPECIFICATION

- Control panel: 5.6 inch full touch LCD screen

- Thermal printer: Built-in
- Data Export Model: USB, RS485
- AC Power: 220V (110V is optional)
- DC Power: 3.7V, 10000mA
- Dimension: 260mm x 200mm x 85mm
- Net weight of readout device: 1 kg
- External sensors

Sensor	Reading	Range	Accuracy
4 wire water proof PT100	0.01°C	(-200 ~ -30)°C	≤ ±0.20°C
		(-30 ~ 200) °C	≤ ±0.10°C
		(200~300) °C	≤ ±0.20°C
Humidity	0.01%	(0 ~ 100)%RH	≤ ±1.5%
TC type K	0.01°C	(300 ~375)°C	≤ 1.5°C
		(375~1100)°C	≤ ±0.4%rd
Barometer	0.01hPa	(500~1300)hPa	≤ ±1hPa

SCOPE OF DELIVERY

- BL711 Multi Channel Thermal & Hygro Data Logger, USB flash driver, RS485 to series communication cable, 4pcs print paper roll, DC Battery charge cable, AC power cord, carrying case
- 1 piece PT100 w/ φ4 x40mm sensor, w/ readout connection module and 5m cable.
- 1 piece K type thermocouple probe, 0°C ~1100°C , w/ readout connection module and 5m cable.
- 1 piece Humidity Probe w/ readout module and 5m cable

OPTIONAL ACCESSOIRES AND SERVICE

- ISO17025 accredited calibration (P/N: 9000-711)
- Four wire water proof PT100 probe w/ readout connection module and 5m cable. (P/N: 711-PT100)
- K type thermocouple probe w/ readout connection module and 5m cable. (P/N: 711-TC)
- Rotronic Humidity Probe, 0 to 100%RH; ±1.0%RH, with readout connection module and 5m cable (P/N: HC2A-S)
- 5m cable w/ readout module of HC2A-S (P/N:711-HM-5)
- Borometer sensor w/ readout connection module and 5m cable. (P/N: 711-BP)
- Wind velocity probe, 0 to 40m/s; accuracy is ± 5%, w/ readout connection module and 5m cable (P/N: 711-WW)

ORDERING MODEL NUMBER

- BL711-220V
- BL711-110V