Model BL7330 Humidity and Temperature Transmitter

Temperature & Humidity Transmitters are a device that measures and transmits temperature and humidity data to a central monitoring system, making it an essential tool for many industries.

FEATURES

- Supports RH%, °C , dew point, CO_2 measure
- Full 0···100%RH measure, +80°C measure
- Pressure tolerance is up to 100bar (depends)
- Alarm output, analog output, RS485 output, Relay output,
- Modbus (RTU/TCP) protocol
- Corrosion-resistant IP65 housing, excellent performance in harsh environment
- Interchangeable stainless steel probe, connection various brand probes possible

APPLICATION

- HVAC Systems
- Agriculture industry
- Food storage and pharmacy industry
- Labs and clean room
- Weather Stations
- Industrial Processes, such as automotive, chemical, and petrochemical industries.

SPECIFICATION

- Supply Power: 9···36VDC, 24VDC
- Analog current output: 0···20mA, 4···20mA
- Analog voltage output: 0···5V, 0···10V
- Digital output: RS485
- Protocols: Modbus (RTU/TCP)
- Relay output (x 2): NO/NC, DC 24V 1A
- Interchangeable probe types: Temperature & humidity probe, temperature probe, dew point probe, CO_2 probe

Relative Humidity Measurement

- Range: 0···100%RH
- Accuracy @23°C :, ±1.0%RH (10···90%RH); ±2.0%RH (<10%RH); ±3.0%RH (>90%RH)
- Long term stability: <±2.0%RH in two years

Temperature Measurement

- Range: -40°C···+80°C , -70°C···+180°C (depend models)
- Accuracy: 0.2°C (0 to 40°C); 0.3°C (-40 to 0°C , 40 to 80°C)
- Long term stability: < ±0.1°C in two years
- Temperature sensor: Pt1000 RTD1/3 Class B IEC 751

Dew Point Measurement

- Range: -100···0°C Td, -60···+60°C Td (depend models)
- Accuracy ensured in 0···40°C : ±0.2°C Td

CO_2 Measurement

- Range: 0···10000ppm, 0···20%vol
- Accuracy: depend connection sensor models

Mechanical and other parameters

- Working Environment: -40°C···+60°C , 0···100%RH
- Storage temperature: -40°C···+80°C
- Housing material: Aluminium oxidation
- Ingress protection level: IP65
- Probe protection: Stainless steel sintered filter
- Display: 3.2 inch colour LCD, No display (option)
- Dimension: 160mm (L) x 115mm (H) x 55mm (D)
- Weight: 500g
- Installation: Wall mounting, Direct pole Installation
- Electric connection: M16 x 1.5, on terminals
- EMC: Complies with EN61326-1 EMC standards

SCOPE OF DELIVERY

- BL7330 temperature & humidity transmitter w/ one channel
- 100-240VAC to 24V-1A DC adapter
- Cable gland x 2

OPTIONAL ACCESSORIES AND SERVICES

- Humidity & temperature probe w/ 2m cable (SN:BL798)
- ISO17025 accredited calibration certificate (SN: 9000-7330)
- Upgrade two channels and four slots output (SN: 7330-2C)
- Wall mounting fitting (SN: 7330-WMF)

HOW TO ORDER

- BL7330-LED: with LED display
- BL7330-B: without display (Blank)