# TVOC, Temperature and Humidity Sensor




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|---|---|
| Model number: | **RB-100-TVOC-TH** |
| Mounting: | In-wall, dose |
| Dimensions: | 85 x 116 x 44 mm |
| Connection: | RS485 to HIQ MC controller or Cybro |
| Frame color: | Black |

## Applications

- HVAC and indoor air monitoring
- Widely used in building automation
- Climate,ECO2 and HVAC signal collection

## Features

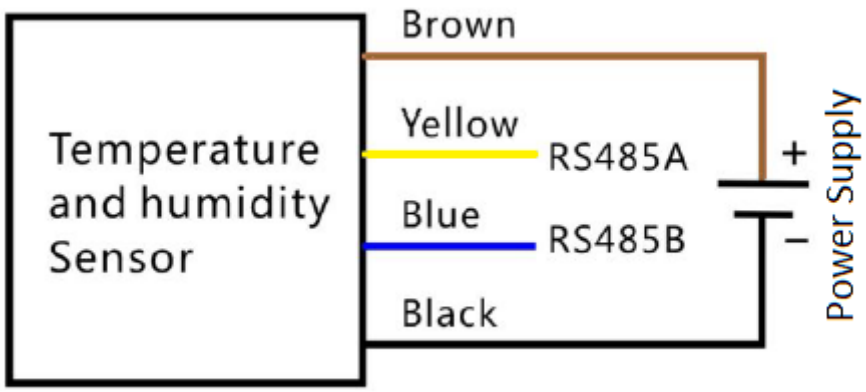
- High measurement accuracy
- Built-in high-performance microprocessor
- Multiple probes available
- Superior performance and long-term stability

## Technical specifications

| | |
|---|---|
| Power supply: | 10-30VDC Note: 0-10VDC output (limited to 24VDC Power Supply) |
| Signal output: | 4-20mA/0-5VDC/0-10VDC RS485 output (Modbus protocol) |

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|---|---|
| Digital output: | Device address 1-255, default 1 |
| | Device baud rate 2400, 4800, 9600 optional, default 4800 |
| | Byte format 8-bit data bit, 1 stop bit, no parity |
| CO2 Measuring | 0-100ppb |
| Equivalent CO2 | 400-5000ppm |
| Measuring temperature | -40°C to +80°C |
| Measuring humidity : | Relative humidity 0%-100% RH |
| Temperature accuracy : | 0.5°C (25°C) |
| Humidity accuracy : | 3% RH (5%RH-95%RH, 25°C) |
| Long-term stability : | Temperature < 0.1°C/year, Humidity <0.1%RH/year |
| Response time : | CO2 90% of the change in 2min, Temperature <18sec, Humidity < 6sec |

# Wiring




# Dimensions

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