

Tenacious

Quality is our determined!



22.5 °C
50.0 %
10:20
10/03/2023

The digital display shows a temperature of 22.5 °C with a thermometer icon, 50.0 % humidity with a water drop icon, a time of 10:20, and a date of 10/03/2023. There are also icons for a snowflake and a sun, and a small 'Pa' unit indicator.

2024

Product Range



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THW-1

Wall Mount Humidity & Temperature Transmitter THW-1

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 RH Range: 0-100 %RH
 Temp. Range : Selectable
 Display : LED Display
 Power supply : 18-24Vdc
 Measurement Range : Temperature (0 to 50 $^{\circ}C$) RH 0 to 100%
 non-condensing, Air or non-aggressive gases
 Output : 4-20mA/0-10V/RS485 Modbus-RTU/PT100/PT1000/
 NTC10K/NTC20K
 Application : Indoor Environment



TDW-1

Wall Mount Dew point & Temperature Transmitter TDW-1

Dew point accuracy : $\pm 3^{\circ}C$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 Dew point Range: Selectable
 Temp. Range : Selectable
 Display : LED Display
 Power supply : 18-24Vdc
 Measurement Range : Temperature (0 to 50 $^{\circ}C$)
 Dew point (-20 to 60Degc) non-condensing,
 Air or non-aggressive gases
 Output : 4-20mA/0-10V/RS485 Modbus-RTU/PT100/PT1000/
 NTC10K/NTC20K
 Application : Indoor Environment



Wall Mount Humidity & Temperature Transmitter

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 RH Range: 0-100 %RH
 Temp. Range : Selectable
 Display : LED Display
 Power supply : 18-24Vdc
 IP Rating : IP65 , Probe & Filter : Stainless Steel
 Measurement Range : Temperature (-10 to 50 $^{\circ}C$) RH 0 to 100%
 non-condensing, Air or non-aggressive gases
 Output : 4-20mA/0-10V/RS485 Modbus-RTU/PT100/PT1000/
 NTC10K/NTC20K * 4-20mA loop out is only available in without display model
 Application : Indoor/Outdoor Environment



Duct Mount Humidity & Temperature Transmitter

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 RH Range: 0-100 %RH
 Temp. Range : Selectable
 Display : LED Display Optional
 Power supply : 18-24Vdc
 IP Rating : Enclosure IP65 , Probe & Filter : Stainless Steel
 Measurement Range : Temperature (-20 to 100 $^{\circ}C$)
 RH 0 to 100% non-condensing, Air or non-aggressive gases
 Output : 4-20mA/0-10V/RS485 Modbus-RTU/PT100/PT1000/
 NTC10K/NTC20K



Remote Probe Humidity & Temperature Transmitter

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 RH Range: 0-100 %RH
 Temp. Range : Selectable
 Display : LED Display Optional
 Power supply : 18-24Vdc
 IP Rating : Enclosure IP65 , Probe & Filter : Stainless Steel
 Measurement Range : Probe Temperature (-20 to 120 $^{\circ}C$)
 RH 0 to 100% non-condensing, Air or non-aggressive gases
 Output : 4-20mA/0-10V/RS485 Modbus-RTU/PT100/PT1000/
 NTC10K/NTC20K
 Remote Probe Cable Length : 2meter



Temperature, RH, CO2, Dewpoint and VOC Transmitter

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 CO2 Accuracy : $\pm 3\% FS$
 RH Range: 0-100 %RH
 Display : LED Display
 Power supply : 18-24Vdc
 Environmental Operation Range : Temperature (0 to 50 $^{\circ}C$)
 RH 0 to 100% non-condensing, Air or non-aggressive gases
 Output : RS485 Modbus-RTU
 Application : Indoor Environment



Differential Pressure/Air Velocity Transmitter (DPT-1)

Measurement Range : ± 25 to ± 7000 Pa
 Media compatibility : Air or non-corrosive gases
 Accuracy : $\pm 1\%$ FS
 Stability : $\pm 1\%$ / year FSO
 Process Connection : 5 mm ID flexible tube
 Operating Environment : Temperature -10 to 50 °C,
 Humidity 0 to 95% (no condensation)
 Temperature compensated range : 0...50 °C
 Output : 4-20mA/0-10v/Modbus RS485-RTU
 Eng. Units : Pa,mmWC,inWC,m/s,CFM,Sqaure Root
 Power supply : 18-24Vdc



OEM Differential Pressure Transmitter (DPT-2)

Measurement Range : ± 25 to ± 7000 Pa
 Media compatibility : Air or non-corrosive gases
 Accuracy : $\pm 1\%$ FS
 Stability : $\pm 1\%$ / year FSO
 Process Connection : 5 mm ID flexible tube
 Operating Environment : Temperature -10 to 50 °C,
 Humidity 0 to 95% (no condensation)
 Temperature compensated range : 0...50 °C
 Output : 4-20mA(Loop)/0-5V/0-10v/Modbus RS485-RTU
 Eng. Units : Pa,mmWC,inWC,Sqaure Root
 Power supply : 18-24Vdc



Carbon Monoxide Transmitter(CO Sensor)

Sensing Technology: Electrochemical
 Life: 3-5 years (in the air)
 Mesuring Range: 0 to 500 PPM
 Accuracy: $\pm 5\%$
 Resolution: 0.1 ppm
 Output : 4-20mA/0-10v/Modbus RS485-RTU
 Operating Environment: Temperature -10 to 50 °C,
 Humidity 15 to 90% (no condensation)
 Power supply : 18-24Vdc



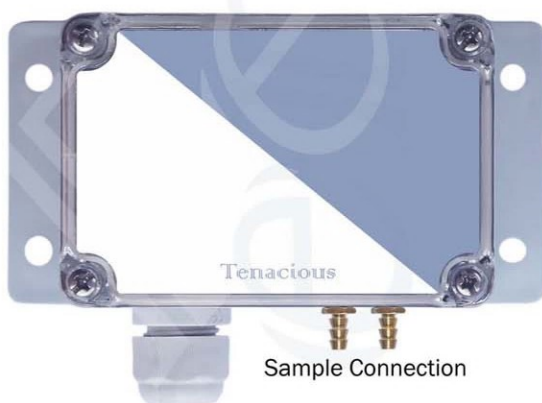
Carbon Dioxide Transmitter (CO2 Sensor)

Sensing Technology : NDIR
 Life expectancy : > 15 years
 Mesuring Range : 400 to 2000/5000 PPM
 Accuracy : $\pm 3\%$ of reading
 Output : 4-20mA/0-10v/Modbus RS485-RTU
 Display : LED Display Optional
 Power supply: 12-24Vdc
 Environmental Operation Range : Temperature -10 to 50 °C,
 Humidity 15 to 90% (no condensation)



High Volume CO2 Transmitter

Sensing Technology : NDIR
 Life expectancy : > 15 years
 Mesuring Range : 10% /30% Vol.
 Accuracy : $\pm 3\%$ of reading
 Output : 4-20mA/0-10v/Modbus RS485-RTU
 Power supply: 12-24Vdc
 Environmental Operation Range : Temperature -10 to 50 °C,
 Humidity 15 to 90% (no condensation)



SAMPLE Based CO2 Transmitter

Sensing Technology: Electrochemical
 Life: 3-5 years (in the air)
 Mesuring Range: 10%/30% Vol.
 Accuracy: $\pm 5\%$
 Resolution: 0.1 ppm
 Output : 4-20mA/0-10v/Modbus RS485-RTU
 Opearing Environment: Temperature -10 to 50 °C,
 Humidity 15 to 90% (no condensation)
 Power supply : 18-24Vdc



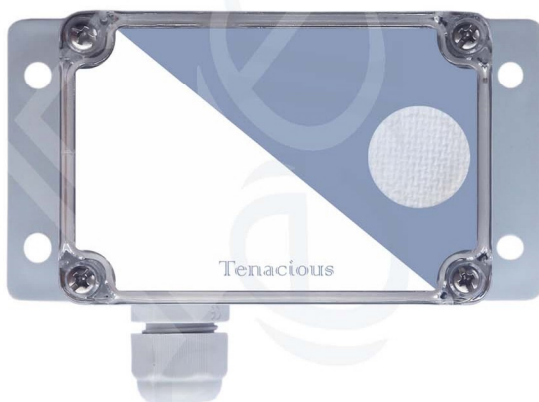
Clean Room Monitor

Display : LCD
 Parameters : Temperature, Humidity, Diff. Pressure, RTC Clock
 RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 Accuracy : $\pm 1\%FS$
 Body Material : Stainless Steel,
 Temperature and humidity sensor : built-in or remote
 Function : Alarm, calibration, Eng. Offset, Damping
 Output : Modbus RS485-RTU



CO2, Temperature and RH Transmitter For Cold Storage

CO2 Sensing Technology : NDIR
 CO2 Sensor Life expectancy : > 15 years
 CO2 Measuring Range : 5% Vol.
 CO2 Accuracy : $\pm 3\%$ of reading
 RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 Output : Modbus RS485-RTU
 Power supply : 12-24Vdc
 Environmental Operation Range : Temperature 0 to 50 $^{\circ}C$, Humidity 15 to 100%



R32 Gas Transmitter

Measured gas: R32 (CH₂F₂), R454A, R454B, R454C (CH₂F₂/C₃H₂F₄=CH₂)
 Operating principle: Non-dispersive infrared (NDIR)
 Measurement range: 0-50% LFL
 Resolution : 10 ppm (0.007% LFL)
 Operating range : -20-50 $^{\circ}C$, 0-95% RH (non-condensing)
 Accuracy (R32) : $\pm 2.5\%$ LFL
 Life expectancy: >15 years in normal commercial environments
 Power Supply: 18-24Vdc
 Output: 4-20mA/0-10V/Modbus RS485-RTU/Relay



Humidity & Temperature Probe (THP)

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 Long-term stability : $<0.03^{\circ}C/y$, RH typ. $<0.2\%RH/y$
 Output : 4-20mA loop/0-5V/0-10V/RS485 Modbus-RTU/
 PT100/PT1000/NTC10K/NTC20K
 Probe Material : SS304
 Power supply : 18-24Vdc
 Environmental Operation Range : Temperature (-20 to $60^{\circ}C$)
 RH 0 to 100% non-condensing, Air or non-aggressive gases



Temperature Transmitters (TT)

Thermocouple and RTD, temperature sensor.
 Specifications and dimension can be customized
 according to different needs



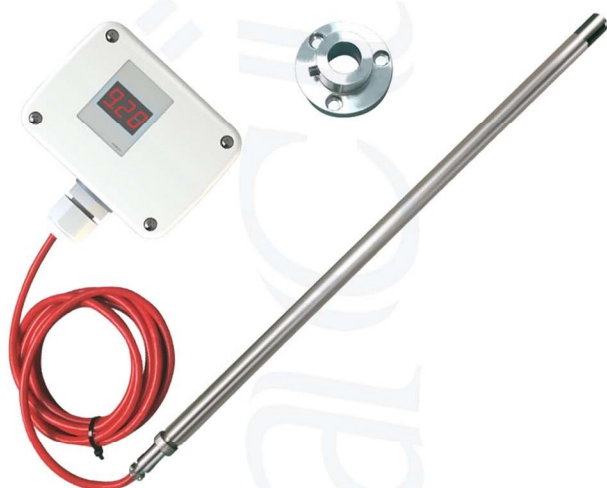
Dew Point Transmitter

Sensor type : Capacitive humidity sensor & Pt100
 Operating range of dew point : $-80 \dots +60^{\circ}C$
 Output : RS-485/4-20 mA / 0-10 V
 Accuracy : $\pm 1 \dots \pm 2 dp^{\circ}C$
 IP rating : IP65(Housing) / Filter IP20(Housing)



Airflow Monitor (AFA1000 Series)

Alarm Range : 0-2.00m/sec (30-400fpm)
 remote SM6 or ILS Airflow sensor
 Field Set up : 2 Point velocity calibration with
 on screen instructions
 Accuracy : Face Velocity +/-5%
 Relay Output : 3 Configurable outputs
 Mounting : Fully flush/Semi flush



AIR Velocity Sensor For High Temperature Application

Range : 0-30m/s
 Power : 24Vac/dc
 Accuracy : FS0.02%
 Operating Temperature : -40 to 600Degc
 Output signal : 4-20mA/0-5V/0-10V/RS485



Flame Proof Humidity & Temperature Transmitter

RH accuracy : $\pm 2\%RH$
 Temp. Accuracy : $\pm 0.2^{\circ}C$
 Power Supply : 18-24Vdc
 Output : 4-20mA Loop/0-10v/Modbus-RS485
 Enclosure Material : Di Cast Aluminum Alloy LM6
 Type of Explosion Protection : EEx-d, IEC60079-1:2007
 Zone Classification : Suitable for Zone 1 & 2
 Gas Group : Suitable for Gas group IIA, IIB & IIC, T6