



Large size digital capacitor LCD display
Temperature, humidity, and dew point display
Output:
AO analog output ×2 (4~20mA / 0~10V)
Digital output ×1
Digital output can be used for alarm functions:
Dehumidification / humidification
Heating / cooling
Upper and lower temperature limit alarm
Upper and lower humidity limit alarm
Equipped with Modbus RS485 communication function
High accuracy: 0.4°C, 3%RH
Shell material: ABS high flame-retardant
Size: 120 × 80 × 25 mm

TRH-403 is a model that can measure temperature and humidity at the same time. By means of voltage or current signals or RS485 signals, the measured temperature and humidity values are transmitted to the display board, or displayed by PLC and back-end system.

Measurement Specification

Measurement Type : Temperature, Humidity,
Dew Point(conversion)

Temperature Range : -9.9 to 60 °C

Humidity Range : 0 to 100% RH (at 0 to 60 °C)

Dew Point : -10 to 50 °C

Unit : °C (Temperature 、 Dew Point)/ %RH
(Relative Humidity)

Accuracy : ±0.4 °C / ±3 %RH

Resolution : 0.1 °C / 0.1 %RH / 1 °C (Dew Point)

Product Information

Operating Environment : -10 to 60°C / lower than 100%RH without dew

Storage Environment : -10~40°C / lower than 70%RH without dew

Elevation Limitation : Lower than 1,000 meters

Power Supply : DC 24V

Dimension : 120 x 80 x 25 mm

Weight : Approx. 155 g

Product Features

Ingress Protection : IP 20 (Main Structure)

**Junction : 5-10mm cables Waterproof fast wire
connector and terminal block**

**Signal Output : 4~20mA / 0~20mA / 0~10V /
MODBUS RS485**

DO Contact : Use switch contacts

**Button : Full capacitive touch button (finger touch
sensor)**