REES
1007 WHITEHEAD ROAD EXT
TRENTON, NEW JERSEY 08638

# High Accuracy Temperature & Humidity Sensor

**Revision Date:** 8/25/2025
**Use Status:** In Use

**Description:**
Vaisala T/H. Custom part, non-returnable. Part may have extended lead time.

| Rees Info | |
|---|---|
| ***General Info*** | |
| Centron Input Number | 2.0 |
| ***Centron 1*** | |
| TestWireless Reads | 4-20ma |
| Workstation Reads | Linear Transducer |
| Is it 4-20mA? | Yes |
| M Value | 30.1205 |
| B Value | -70.0 |
| Units | C |
| ***Centron 2*** | |
| TestWireless Reads | 4-20ma |
| Workstation Reads | Linear Transducer |
| Is it 4-20mA? | Yes |
| M Value | 25.1004 |
| B Value | -25.0 |
| Units | rH |

| Power | |
|---|---|
| Supply Voltage (VDC) Min | 10.0 |
| Supply Voltage (VDC) Max | 30.0 |
| Comes with Transformer | False |

| Physicalities | |
|---|---|
| Height (inches) | 5.7 |
| Width (inches) | 4.7 |
| Depth (inches) | 1.5 |
| Weight (lbs) | 0.59 |
| Color | White, Gray |
| Material | PBT plastic |
| IP Rating | 65 |
| Is probe removable? | True |
| Cable Length (feet) | 20.0 |
| Probe Diameter (inches) | 0.47 |
| Probe Length (inches) | 2.8 |
| Probe Material | Stainless steel (AISI 316), Chrome coated ABS plastic |

| Sensor Info | |
|---|---|
| ***General Info*** | |
| Operating Temperature Min (C) | -40.0 |
| Operating Temperature Max (C) | 60.0 |
| Storage Temperature Min (C) | -50.0 |
| Storage Temperature Max (C) | 70.0 |
| Sensor Technology | HUMICAP, Pt1000 RTD Class F0.1 IEC 60751 |
| Rees Calibrated | False |
| Factory Calibrated | False |
| Site Calibrated | False |
| Types of Measurands | Temperature, Relative Humidity |
| ***Measurands*** | |
| **Temperature** | |
| Measurement Min | -40.0 |
| Measurement Max | 80.0 |
| Measurement Units/Information | C |
| Accuracy | @+15 - +25°C (+59 - +77°F): ±0.1°C (±0.18°F)<br>@ 0 - +15°C and +25 - +40°C(+32 - +59°F and +77 - +104°F):±0.15°C (±0.27°F)<br>@ –40 - +0°C and +40 - +80°C(–40 - +32°F and +104 - +176°F):±0.4°C (±0.72°F) |

| Relative Humidity | |
|---|---|
| Measurement Min | 0.0 |
| Measurement Max | 100.0 |
| Measurement Units/Information | %rH |
| Accuracy | @0 - +40°C (+32 - +104°F) ±1.5 %RH (0 - 90 %RH): ±2.5 %RH (90 … 100 %RH)<br>@ –40 - 0°C & +40 - +80°C(–40 - +32°F & +104 - +176°F):±3.0 %RH (0 … 90 %RH)<br>±4.0 %RH (90 … 100 %RH) |
| Additional Detail | Factory calibration uncertainty at<br>+20 °C (+68 °F)<br>±1.1 %RH (0 … 90 %RH)<br>±1.8 %RH (90 … 100 %RH) |