



## Features & Benefits

- Robust sensor enclosure
- Easy installation with LED indication, test button and auto-1 output mode detection (3-wire)
- Supports 2-wire loop powering or 3-wire installation
- Pluggable terminal blocks and tool free installation

## Technical Overview

A valuable feature of this sensor is when in 3-wire mode it automatically detects what the controller input is set to, 4-20mA or 0-10Vdc. This removes the requirement for output jumpers that can be inadvertently set incorrectly. 2-wire loop powering selectable via DIP switch. It also provides on board LED indication for power status and fault find.

## Specification

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| <b>Active outputs</b>           | 0-10Vdc or 4-20mA (3-wire) self-detecting, 4-20mA (2-wire via DIP) |
| <b>AH accuracy</b>              | ±2% (20 to 80% RH)                                                 |
| <b>Dewpoint output ranges</b>   | -50 to +50°C                                                       |
| <b>Duct probe dimensions</b>    | 240 x 20mm dia                                                     |
| <b>Enthalpy output ranges</b>   | -20 to +250kj/kg                                                   |
| <b>Gross Weight (kg)</b>        | 1.14                                                               |
| <b>Housing Dimensions</b>       | 125 x 105 x 85mm                                                   |
| <b>Other accuracy</b>           | ±3% (20 to 80% RH)                                                 |
| <b>Passive temp. output</b>     | PTC/NTC Element: Any Sontay resistive                              |
| <b>Power Supply</b>             | 24Vac/dc ±10%                                                      |
| <b>RH output ranges</b>         | 0 to 100%                                                          |
| <b>Temperature Accuracy</b>     | ±0.5°C (20 to 40°C)                                                |
| <b>Temperature Output range</b> | -20 to 50°C as standard, Others available on request               |
| <b>Wall probe dimensions</b>    | 90 x 20mm dia                                                      |

## Technical Specification

|                           |                  |
|---------------------------|------------------|
| <b>RH output ranges</b>   | 0 to 100%        |
| <b>Housing Dimensions</b> | 125 x 105 x 85mm |

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| <b>Active outputs</b>           | 0-10Vdc or 4-20mA (3-wire) self-detecting,<br>4-20mA (2-wire via DIP) |
| <b>Temperature Output range</b> | -20 to 50°C as standard, Others available on request                  |
| <b>Power Supply</b>             | 24Vac/dc $\pm 10\%$                                                   |
| <b>Temperature Accuracy</b>     | $\pm 0.5^{\circ}\text{C}$ (20 to 40°C)                                |
| <b>Material</b>                 | PC/GF (Halogen Free Flame Retardant, UV Stabilized)                   |

### Related Product Codes

|                |                                         |
|----------------|-----------------------------------------|
| <b>RH-O</b>    | Outside Mounted T & RH Sensor 3%        |
| <b>RH-O-AH</b> | Outside Mounted T & RH Sensor 2%        |
| <b>RH-O-EN</b> | Outside Enthalpy & Dewpoint Transmitter |