

# Humidity and Temperature Sensor

Model: HTS 04



## Specifications

| General                         |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Transmitter type                | 2-wire type                                                   |
| Operating and measurement range | -20 to 50 °C / 0 to 100 %RH                                   |
| Weight                          | Space version type S: 90 g                                    |
| Housing material / IP           | ABS / Ip65                                                    |
| Supply voltage                  | 12 to 28 VAC / 15 to 40 VDC                                   |
| Current consumption             | 2-wire type max. 40mA                                         |
| Humidity measurement            |                                                               |
| Accuracy at 23 °C               | $\pm 5\text{ K} < \pm 3\text{ \%RH}$ (10 to 90 %RH)           |
| Long-term stability             | <1.5 %RH per year                                             |
| Response time                   | 30 s (63 % of a jump 35 to 80 %RH) without filter             |
| Temperature measurement         |                                                               |
| Sensor                          | Thermistor                                                    |
| Standard temperature scale      | 0 to 50 °C (or) 0 to 100 °F                                   |
| Accuracy at 23 °C               | $\pm 5\text{ K} \pm 0.3\text{ °C}$ , type S $\pm 1\text{ °C}$ |
| Response time                   | 4 s                                                           |
| Outputs                         |                                                               |
| Number                          | Two freely scalable analog outputs                            |
| Current                         | 4 to 20 mA                                                    |
| Voltage                         | 0 to 1,5,10 VDC (optional)                                    |

## SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

**NABL** Accredited Calibration Lab ( Thermal, Mechanical, Electro-Technical Parameters )  
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