

The combined **Remote TRH Sensor** is a cost effective and highly accurate sensor designed for cleanroom and controlled environment applications. The Remote TRH sensor has been designed to allow fast and easy installation and provides reliable protection in sterile cleanroom facilities.

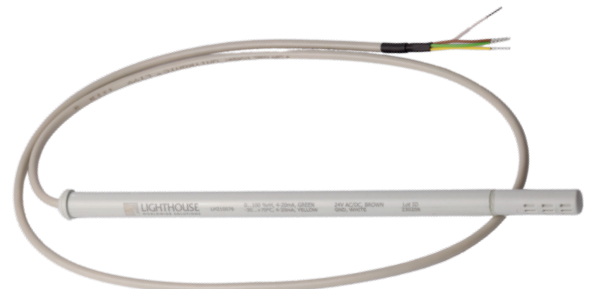
The Remote sensor uses the latest sensor technology which offers long-term stability and resistance against pollutants. The enclosure is IP65/NEMA 4 rated and ideal for cleanroom applications. The sensor has been designed for easy on-site installation and comes in wall or duct mounted versions with fixed or extended probes to enable installation in challenging situations.

FEATURES

- Maintenance free digital micro chip sensing element
- 3%rH accuracy, optional 2%rH
- Temperature options analog output or passive sensing elements
- Analog outputs as 4-20 mA and 0...10 Vdc
- Operating voltage 24V AC/DC

APPLICATIONS

- Cleanroom environmental condition monitoring
- HVAC validation and environmental mapping
- Cold chain and storage monitoring
- Laboratory and biotechnology applications
- Data centers and electronics protection
- Automotive cleanrooms and paint shops



	TRH-Probe Type	TRH-Wall Type	TRH-Room Type
Model			
Power Supply	AC 24V (± 5%), 50–60 Hz DC 14...35 V	AC 24V (± 5%), 50–60 Hz DC 15...35 V	
Power Consumption	< 1.5 W	< 2.5 W	
Current Output	4...20 mA, maximum 500 Ω		
Voltage Output	0...5 Vdc, minimum 1 000 Ω 0...10 Vdc, minimum 1 000 Ω		
Humidity Accuracy	±2 %rH or ±3 %rH	3 %rH standard, 2 %rH optional	
Temperature Accuracy	0.5 °C		
Operating Temperature	-25...70 °C	-30...+80 °C	
Storage Temperature	-30...85 °C	0...30 °C	
Humidity Range	0...100 %rH		
Temperature Range	-40...100 °C	0...50 °C; 0...100 °C; -30...+70 °C; -40...+60 °C	
Enclosure	ABS Plastic		
Protection	enclosure: IP65 or NEMA 4 probe: IP41 or NEMA 3	IP41 or NEMA 3	
Standards	EN 61326-1 CE Conformity: CE1702	EN 61326-1	
Dimensions	270 × 13 mm	Enclosure: 98×81.5×45.5 mm Probe: Ø 12 mm × 46 mm	Without relay: 86×86×20.5 mm With relay: 86×86×30.7 mm
Weight Packed	133 gr	229 gr	96 gr