

LOOP POWERED HUMIDITY TRANSMITTER - L.C.D/L.E.D



L.C.D Display

TRH - 107 - WP
WEATHERPROOF



L.E.D Display



L.C.D Display

TRH - 107 - FLP
FLAMEPROOF



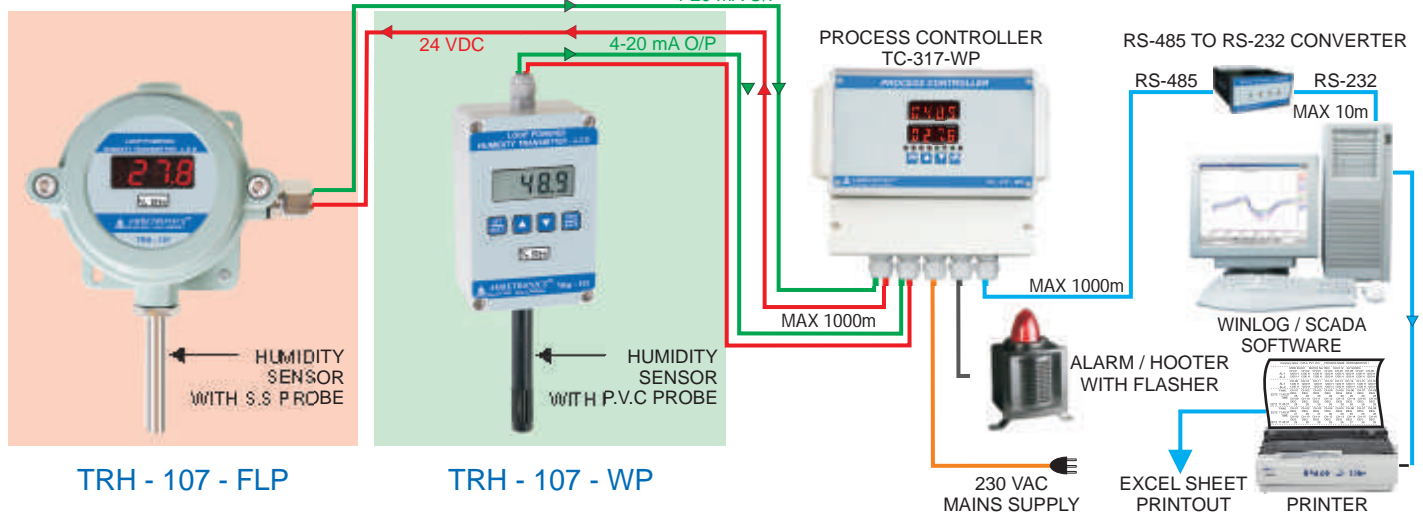
L.E.D Display

ILLUSTRATION

Hazardous Area

Safe Area

Safe Area / Control Room



FEATURES

- ◆ Highly Accurate, Fast & Reliable Sensing Technology
- ◆ User Friendly, Simple To Operate & Easy To Install
- ◆ Power On Startup Through Intelligent Electronics, Self Driven Menu
- ◆ Easy-to-read Display, Fast Response
- ◆ Easy Programming With Password Protection
- ◆ No Calibration Required
- ◆ Loop Test, Assures Proper Operation Of The Transmitter
- ◆ Industrial Standard, 4 - 20 mA O/P With Respect To Full Scale Of Humidity
- ◆ Built-In Reverse Polarity Protection
- ◆ Reduced Operating, Maintenance & Installation Cost
- ◆ Excellent Long-term Stability

APPLICATIONS

- ◆ Storage, warehouse & cold storage
- ◆ Building management / HVAC Systems
- ◆ Energy Management & Energy Saving Systems
- ◆ Clean Room Monitoring & Validation, In Pharmaceutical, Laboratories, Bioscience
- ◆ Climate Test Chambers
- ◆ Computer Server Rooms
- ◆ Green Houses, Agriculture Farms
- ◆ Meteorological, Weather Forecast Applications
- ◆ Healthcare, Hospitals, Shopping Malls
- ◆ Climate Control in Museums, Libraries

TECHNICAL SPECIFICATIONS

Measuring Parameter	Humidity (% RH)	
Range	0 To 100 % RH	
Resolution	0.1 % RH	
Accuracy	± 1.8 % of full scale value	
Sensor Type	Capacitive polymer sensing for high Accuracy	
Sensor Probe Details	Please specify while inquiring	
Loop Output	Industrial Standard, 4 - 20 mA with permissible load 750 ohms at 24 VDC, 25 mA	
Display	0.5", 3 ½ digit L.C.D Display / 0.4", 4 Digit L.E.D Display	
Set Point	Two independent set points, AL1 & AL2 with blinking indication & Programmable Latch / Non-Latch facility; only for indication purpose (There is no relay output)	
Setting	Setting by 4 keys on front panel i.e. 'SET / NEXT', 'UP', 'DOWN' & 'TEST / BACK'	
Monitoring	i) By Display : Shows "oPn"	
Sensor Open Indication	ii) By Loop current : Up scale current : 22 mA, Down scale current : 3.6 mA To 3.8 mA; programmable by user	
Supply Voltage	14 To 36 VDC, normally 24 VDC, 25 mA	
Operating Temperature	- 40 To 85 °C	
Relative Humidity	Below 95% non condensing	
Enclosure Detail	WEATHERPROOF (WP)	FLAMEPROOF (FLP)
Protection Class	IP - 65	IP - 65, CMRI Approved for IIA & IIB Gas Group
Cabinet Material	Polycarbonate , grey colour	Cast Alluminium alloy, LM - 6 / C.I. Enclosure
Cable Entry	1 No, Thermoplastic cable gland (IP - 68)	1 No, Double compression cable gland (Ex-Proof), ¾" ET-type
Dimension	120 mm (H) X 80 mm (W) X 55 mm (D)	145 mm (H) X 185 mm (W) X 100 mm (D)
Mounting	Wall Mounting / Stand Mounting	Wall Mounting / Stand Mounting
Weight	250 Grams	1Kg
Sensor Housing	P.V.C. / SS316, Please specify while ordering	

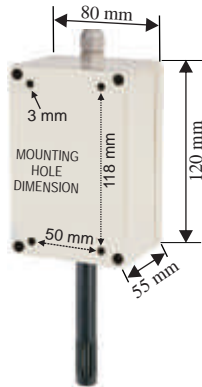
DIMENSIONS

WEATHERPROOF ENCLOSURE

FRONT VIEW

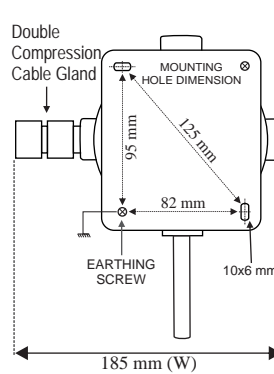


SIDE & BACK VIEW

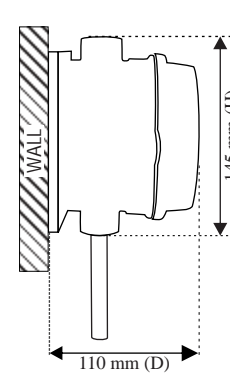


FLAMEPROOF ENCLOSURE

BACK VIEW



SIDE VIEW



Programming Key Pad Available inside the Flameproof Enclosure

ORDERING INFORMATION

TRH - 107 — **A** — **B** — **C** — **D**

A) Enclosure 1) Weatherproof (WP) 2) Flameproof (FLP)	B) Display 1) L.C.D 2) L.E.D	C) Sensor Housing 1) PVC Material 2) Stainless Steel (SS316)	D) Sensor Probe Length 1) 4" 2) 6" 3) Specify while ordering 4) Duct Mounting
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NOTE : For any customize requirement contact factory

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DEALERS :