

# HUMIDITY & TEMPERATURE TRANSMITTER

**Equinox**<sup>TM</sup>

## Features

- Fast, Stable and Accurate
- IP 65 - Watertight enclosure
- Excellent long term stability
- Onsite two point calibration

## Typical Areas of Application

- Climatic Rooms/Chambers
- HVAC Installations
- Green Houses
- Paper Industries
- Incubators, Ovens
- Textile Industries
- Storage Area
- Food Processing Industries
- Fruit/Vegetable Storage



**Model : EQ-TRH304W**

**TRH-30x** Series uses a thin film polymer capacitor to sense Relative Humidity & a thin film RTD to accurately sense Temperature. The Output signal given is 4 - 20 mA analog output requiring a current loop supply of 12 - 30 VDC. The electronics is housed in a watertight IP-65 enclosure.

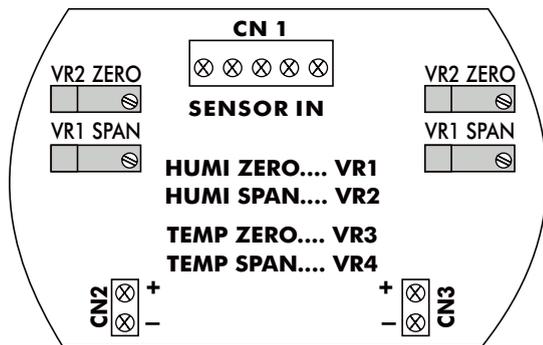
## SPECIFICATIONS

Measuring Range	5 to 95% RH 0 to 70°C
Accuracy @ 25°C	± 2% RH , ± 0.3° C
Sensors	Humidity : Thin-film Capacitor Temperature : Pt100
Electronics Operating temp	0 to 50°C
Response	<15 sec
Long-term Stability	Better than 1% RH per year
Output	4-20mA (0~100%RH; 0~100°C) other outputs on request
Load Resistance	Maximum 300 Ohms
Supply Voltage	12 to 30 VDC
Housing	ABS plastic watertight enclosure
Protection	IP-65
Weight	Approx 180gms

## Ordering Information

Model	DESCRIPTIONS	
TRH - 304	Temperature Transmitter	
TRH - 305	Humidity Transmitter	
TRH - 306	Humidity / Temperature Transmitter	
SHAPE (Mounting)	W	Wall Mount Type
	D	Duct Mount Type
	S	Separated Type

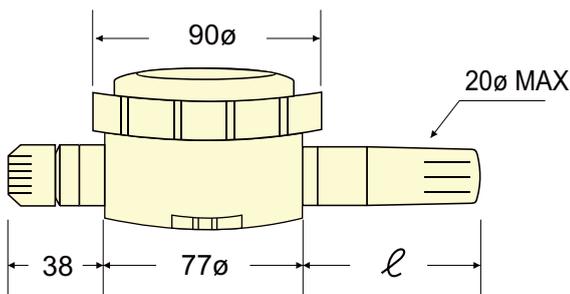
## On-Site Calibration & Wiring



- VR 2 ZERO Humidity
- VR 1 SPAN Humidity
- VR 3 ZERO Temperature
- VR 4 SPAN Temperature
- CN 1 Sensor Input
- CN 2 Output Humidity
- CN 3 Output Temperature

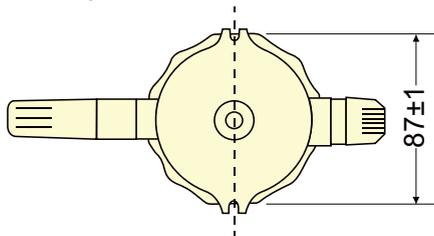
## EXTERNAL DIMENSIONS

### • WALL MOUNT TYPE

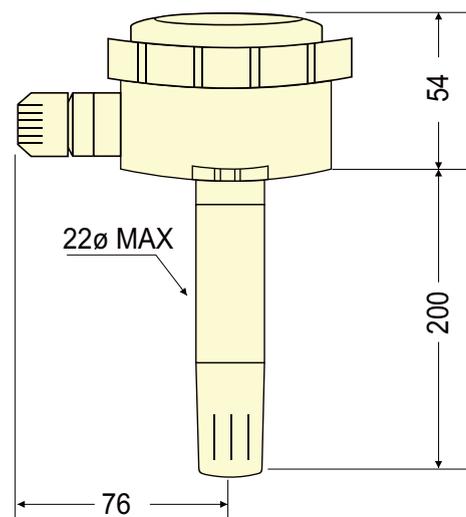


### • MOUNTING

Used by 3-4mm or 1/8" screw for mounting



### • DUCT MOUNT TYPE



# HTA INSTRUMENTATION (P) LTD.,

An ISO 9001: 2015 Certified Company & NABL Accredited Calibration Laboratory as per ISO/IEC 17025:2017

Your One Stop For Instrumentation Supply, Automation & Calibration

# 73, Ramachandra Agrahara, Near T.R. Mills, Chamarajpet, Bangalore - 560018, INDIA.

Phone : 080-26749750, 26759253, 26740681 E-mail : sales@htaipl.com Website : www.htaipl.com

