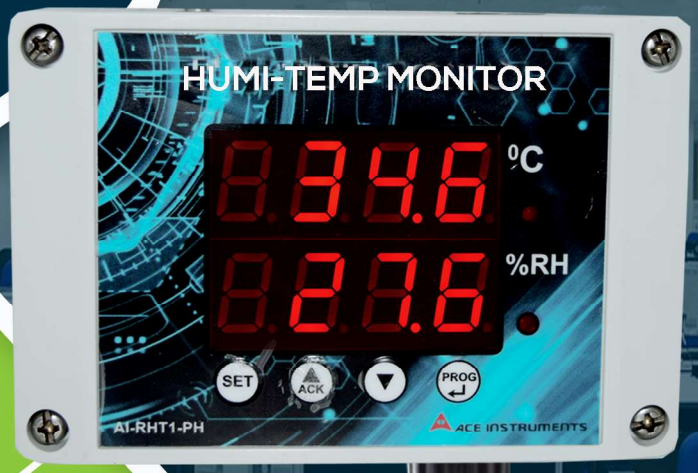
ROOM HUMIDITY TEMPERATURE MONITOR
(MODEL:AI-RHT1-PH)



RS-485/MODBUS COMMUNICATION

IN-BUILT BUZZER ALARM WITH ACKNOWLEDGEMENT

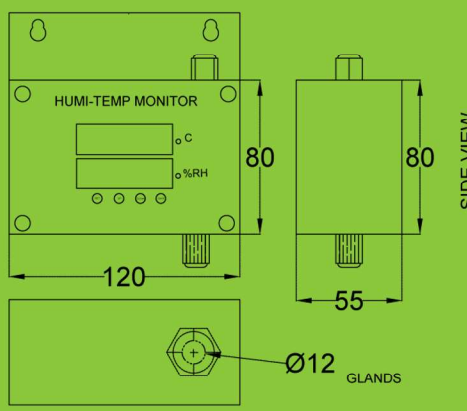
2-LINE ,0.5" 7-SEGMENT RED LED DISPLAY

IP-65 PROTECTION

TECHNICAL SPECIFICATIONS

Sensor Type	1) Polymer sensing for Temperature 2) Capacitive polymer sensing for Relative humidity 3) Model AI-RHT1-PH - Wired External Sensor
Range	1) 0.0 to +50.0 Deg.C for Temperature (Any other range customized as per requirement) 2) 0.0 to 100.0%RH typical for Relative humidity
Communication	Optional RS 485 Modbus Protocol Communication
Resolution	Temperature : 0.1 Deg. C Humidity : 0.1%R.H.
Display	Standard 2 X 4 Digit RED LED Display of Height 0.5" (1 Each for Humidity & Temperature) With Buzzer (Neon Lamp)
Accuracy	1) ± 0.5 Deg.C for Temperature 2) ± 1.8% for 10 to 95% RH for Relative humidity +/-2% for all other ranges.
Supply Voltage	24VDC / 300mA
Mounting	Wall Mounting IP65 Enclosure with Integrated Sensor or External Humi-Temp Probe .

CAD DIAGRAM



CONNECTION DIAGRAM

1	2	3	4	5	6
RE	YE	BL	GR	A	B
SENSOR INPUT				RS-485	

ACE INSTRUMENTS
(An ISO 9001-2015 Certified Company)

Plot No.5-5-35/205A, Shaktipuram , Industrial Estate Kukatpally,
Prashantinagar, Hyderabad – 500018.
Phones : +91-40-23078848, 23078849
Email : sales@acefirst.com I Website : www.acefirst.com