

# RH+TEMPERATURE INDICATOR



## ABOUT TX3DR

RHT803 is a microcontroller-based, high performance battery operated, Humidity & Temperature Indicator. It has an integral dual 4-digit LCD display. The circuit is designed for ultra-low power consumption. This gives a battery life in excess of 1 year with a standard 9 volt alkaline battery. It can be configured for parameters such as unit, bias, sampling interval using 4 keys.

## FEATURES

- Battery operated
- 1 year+ battery life (Duracell 9V, Alkaline)
- Accuracy :  $\pm 2\%$  RH,  $\pm 0.5\text{ }^{\circ}\text{C}$
- Software calibration - no trimpots
- IP65, rugged construction
- Dual 7-segment LCD display to show RH & T
- Programmable sampling interval, unit, bias, etc
- RTC display

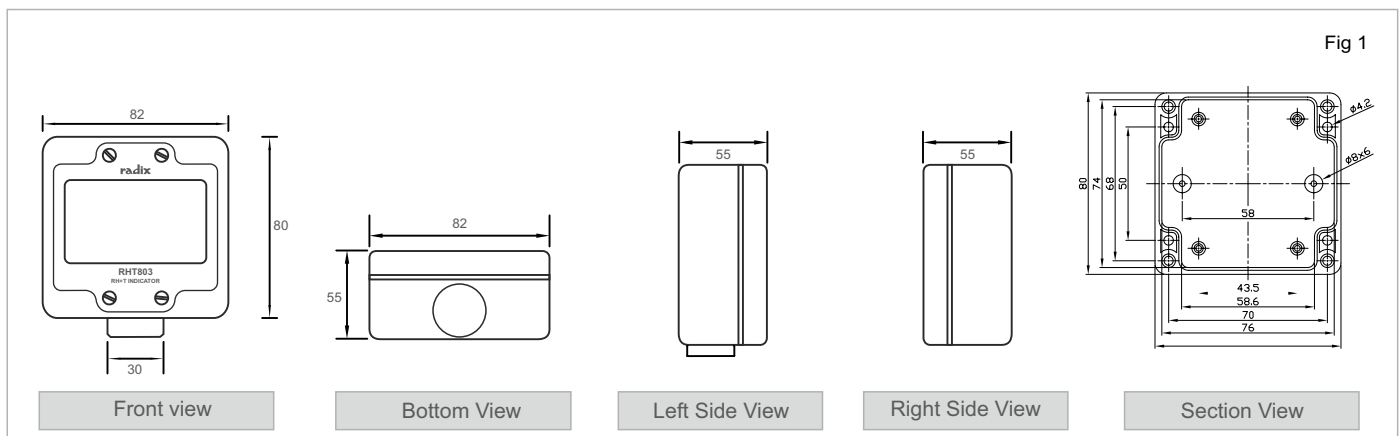
# RH+ TEMPERATURE INDICATOR

## SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

<p><b>INPUT</b></p> <p>Sensor type</p> <p>Range</p> <p>Display</p> <p>Resolution</p> <p>Accuracy</p> <p>Sampling interval</p> <p>Display offset</p>	<p>Capacitive for RH, Semiconductor (Band gap) for temperature</p> <p>0~100% RH, non-condensing</p> <p>0~50 °C / 32~122 °F</p> <p>Dual 7-segment, 4-digit, 0.5" (12.7 mm) LCD</p> <p>%RH : 0.1 / 1</p> <p>°C/°F : 0.1 / 1</p> <p>± 2% RH, ± 0.5 °C</p> <p>3 to 18 seconds, user programmable</p> <p>%RH : ± 10</p> <p>°C/°F : ± 10</p>	<p><b>TEMPERATURE, HUMIDITY</b></p> <p>Ambient, storage</p> <p>Ambient, operation</p> <p>Relative humidity</p>	<p>-25 to +70 °C</p> <p>0 to +50 °C</p> <p>0 ~ 100% RH</p>
<p><b>REAL TIME CLOCK</b></p> <p>Display</p> <p>Accuracy</p> <p>Format</p>	<p>HH : MM</p> <p>± 60 seconds / month</p> <p>12 hours, 24 hours (Programmable)</p>	<p><b>MECHANICAL</b></p> <p>Dimensions</p> <p>Mounting</p>	<p>See Fig 1</p> <p>Surface/Wall</p>
<p><b>POWER / BATTERY LIFE</b></p> <p>Battery</p> <p>Battery life</p>	<p>9 Volts, NEDA 1604, IEC6F22 (Recommended : Duracell, Alkaline, MN1604)</p> <p>1 year+ (Duracell, Alkaline, MN1604, 12-second sampling interval)</p>	<p><b>MOC</b></p> <p>Enclosure housing</p> <p>Sensor</p> <p>Filter</p> <p>Protection</p>	<p>ABS plastic</p> <p>SS304</p> <p>Wiremesh</p> <p>IP65, except sensor</p>

## DIMENSIONS mm



## ORDERING INFORMATION

Order Code	2437
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CAT#462R1/T

### ENQUIRIES

**Instruments:** sales@radix.co.in  
**Sensors:** sensors@radix.co.in  
**Gauges:** gauges@radix.co.in  
**Automation:** automation@radix.co.in  
**Level:** level@radix.co.in

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