



# Temperature / Humidity Transmitter

## TRH-3200 For outdoor use

□ IP65 □ CE □ RoHS

The weather-resistant shelter protects temperature and humidity transmitter for outdoor use.

**TRH-3200** series is specially designed to prevent various difficult climates, ensure rapid response and long-term use since it takes advantage of remarkably convection structure of radiation multi-wing and outdoor climate-bear design. At aspects of installation, disassembly, wiring and adjustment, it's more convenient and speedy than other brands.



### Applications :

Outdoor Environmental Monitor,  
Green House, Agriculture,  
Weather Data Collection,  
Climate Experiment...etc.



Model No. (Please specify Model No. to order)

**TRH-3201** Temperature Transmitter

**TRH-3202** Humidity Transmitter

**TRH-3203** Temperature and Humidity Transmitter

- Fast, Accuracy and Stable
- Easy for Installation
- Wide Range of Power Supply
- Current or Voltage Output
- Zero and Span Adjustable

### Specifications of TRH-3200 Please advise the specification of \* option based on your individual needs.

|                             |   |
|-----------------------------|---|
| <b>Measurement Range *</b>  | 0 ~ 100% RH<br>0 ~ 100°C (-20 ~ +80°C, 0 ~ 50°C, -40 ~ +60°C available)   |
| <b>Accuracy (At 25°C)</b>   | ±2% RH, ±0.3°C (※Power supply = 24VDC)  |
| <b>Long-Term Stability</b>  | Better than 1.5% RH per year (Typical)  |
| <b>Temp. Compensation</b>   | ±0.008% RH / °C (Effect @ 0 %RH)  |
| <b>Response</b>             | <30 sec. (90% at +25°C in moving air over 0.5 M/S)  |
| <b>Sensors</b>              | Humidity : Thin-film capacitor<br>Temperature : RTD Pt 100Ω IEC 751, DIN43760   |
| <b>Output *</b>             | Current output : Humidity : 4 ~ 20 mA Two wire<br>Temperature : 4 ~ 20 mA Two wire<br>Voltage output : 0 to 1V, 0 to 5V, 0 to 10V or 1 to 5V, Selectable<br>※Other scales possible upon request |
| <b>Fine Adjustment</b>      | Zero and Span adjustable by spare potentiometer   |
| <b>Power Supply</b>         | 12 ~ 40VDC, >150mA, Recommended DC24V   |
| <b>Housing / Protection</b> | Outdoor used Applications, Bears the climate and preventing radiant heat  |
| <b>Internal Transmitter</b> | IP65 rated, ABS plastic watertight enclosure  |
| <b>Cable Gland</b>          | Liquid-tight nylon, cable Bushing: ϕ 5-10mm   |
| <b>Ambient Temperature</b>  | -40 ~ +60°C (- 40 ~ +140°F)   |
| <b>Dimensions</b>           | 210 (L) × 185 (W) × 210 (H) mm  |
| <b>Weight</b>               | Approx. 1500g ※Bracket fixing exception   |
| <b>Mounting</b>             | Complete set with galvanized steel mounting hardware  |
| <b>Approvals</b>            | IP65, CE, RoHS  |

※Specifications are subject to change without notice.