



**TRP-100-4**



**TRP-100-3**



**TRP-100-6**

**NOTE: Model No: TRP-100-1, TRP-100-2, TRP-100-5, TRP-100-7 will have same physical appearance as model TRP-100-6 with display as per selected model**

## **FEATURES**

- Automatic recording of Temperature/ Humidity/ Dew point/ Differential pressure as per set time or on key press
- LOW/HIGH (Min / Max), Average value display on LCD
- Configurable alarms with LOW/HIGH SET points along with vibrator, buzzer and LED indication.
- Battery powered with rechargeable battery facility.
- Battery status indication on the LCD display with battery charging LED indication and BAT low indication with Buzzer
- Password protected function menu
- Optional data logging facility with 50000 records downloadable with PC software
- Easy handling and programming with 3 keys and one key for power ON/OFF
- Small compact & light weight

## **APPLICATIONS**

- Pharmaceutical Warehouses
- Shipping containers
- Life Sciences
- Food industry
- Modern Agriculture
- Flowers and Plants
- Breeding Industry
- Cool Cabinets
- Medical Cabinets
- Cold Storage
- Greenhouses
- Oil and Gas flow metering in on shore off shore and subsea application.
- Water and effluent treatment plants to monitors filters.
- It is used to monitor sprinkle system.
- HVAC (Heating, ventilation, Air conditioning, Cooling) system to check the filters
- Duct and pump monitoring
- Check for leak detection

# TECHNICAL SPECIFICATIONS

## General

- Sensor : Humidity, Temperature and Dew Point Sensor, Built-in different pressure sensor
- Set Point : Two independent Alarm set points, AL1 & AL2 for Temperature/ Humidity/ Differential Pressure/Dew point with LED indication (Common LEDs)  
Integrated Buzzer and Vibrator for Alarm Violation
- Alarm Logic : High or Low Programmable
- Setting : Setting by 3 keys on front panel i.e. (SET, SHIFT, INCR)
- LCD : 4x2 digit segmented LCD for display of 2 No parameters among Temperature/Humidity /Differential Pressure/Dew point (selected two Parameter at the time)

## Environmental

- Operating Temp : -10 to 55°C  
Storage Temp : -10 to 60°C
- Humidity : Below 95% RH, Non condensing

## ELECTRICAL

- Power Supply : Li- polymer, Rechargeable Battery with charger. With 10 Hours of runtime on full charge (with all alarm violation indications i.e. buzzer, vibrator and LEDs)

## Common Deliverable

- User Manual
- Protective cover
- AC Charging Adaptor
- Test & calibration certificate

## Optional Data Logging

- Record : 50000 records Logging capacity with data can be visible in ASCII format while downloading in the PC
- Download : Through USB interface using Terminal

## Enclosure Details

- Material : ABS Plastic
- Size : 140mm(L) x 70mm(W) x 30mm(H)
- weight : Approx 210 grams

Range and Resolution			
Sr. No	Range	Resolution	Accuracy
<b>Differential Pressure</b>			
1	-100 to 100 mmWC	0.1	±1% of FS
2	-10 to 10 cmWC	0.1	±1% of FS
3	-7.5 to 7.5 mmHG	0.1	±1% of FS
4	-500 to 500 Pascal	1	±1% of FS
5	-10 to 10 Hectopascal	0.1	±1% of FS
<b>Temperature</b>			
6	-40 to 100°C	0.1	±0.5% of FS
<b>Relative Humidity</b>			
7	0% to 100 % RH	0.1	±2.0% of FS
<b>Dew Point</b>			
8	-60 to 30°C	0.1	±2.0% of FS

### NOTE:

- Dew point indication available for in line indication as well as for ambient indication
- Dew point indication for in-line monitoring will not be available with Temp/RH/ Differential Pressure Parameter

## ORDER INFORMATION

PORTABLE TYPE	MODEL NO	LOGGING OPTION
TEMPERATURE	TRP-100-1	1) LOGGING 2) NO LOGGING
HUMIDITY	TRP-100-2	
DIFFERENTIAL PRESSURE	TRP-100-3	
DEW POINT IN-LINE MONITORING	TRP-100-4	
DEW POINT AMBIENT	TRP-100-5	
TEMPERATURE & HUMIDITY	TRP-100-6	
TEMPERATURE & HUMIDITY & DEW POINT	TRP-100-7	

Manufactured by :



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Dealers: