HN-CH SERIES

POCKET SIZE TEMPERATURE/HUMIDITY METER

PS PERFORMANCE SPECIFICATION
CHINO

Reliable and accurate HN-CH series palm-size temperature/humidity meter measures and displays the temperature range of −10 to 50ºC and the humidity range of 0 to 100%RH by using a new developed humidity sensor.

It also provides data logging facilities that store 8000 readings of both temperature and humidity into memory.

■FEATURES

- Measurement of relative humidity 0 to 100%RH by capacitance type humidity sensor
- High accurate measurement in low humidity area less than 20%
- Improved repeatability and reliability by a new developed humidity sensor
- Logging function of up to 8000 reading (both temperature and humidity)
- Easy maintenance by complete interchangeable sensor
- Three types of sensor built-in type, probe type and separate type are prepared for various applications.

■APPLICATIONS

- Environmental testing equipments, chambers, clean benches
- Food storage, grain storage, green houses
- Art galleries, museums
- Food transport trucks

■MODELS

HN-CH□□

Type of sensor
  N: Sensor built-in type
  P: Probe type (with 1.5m cable)
  T: Separate type (with 1.5m cable)

Communications interface
  R: RS-232C
  S: RS-485

■Data logging software package

Model: HN-VXH□E

Communications
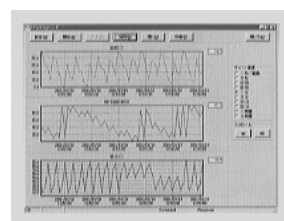 1: 1 point (RS-232C)
  2: Multi-point (RS-485)

A software package for analyzing data measured by HN-CH is available.

Two modes, real-time monitoring mode of measured data and analyzing mode of data stored into memory, are prepared with a trend screen and a data screen.

It also has a data exporting function to worksheet applications.

The RS-485 communications type can be used for wide applications as a multiple temperature/humidity measuring system by using an optional AC adapter.
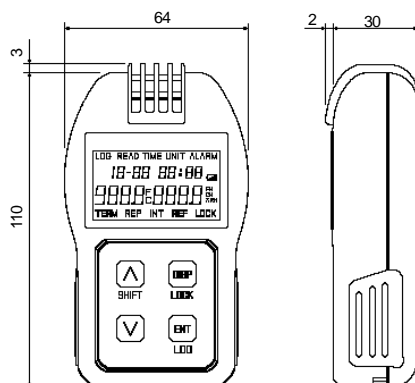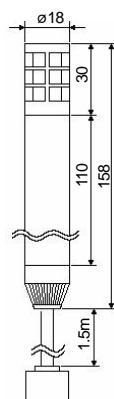
PSE-418

■ GENERAL SPECIFICATIONS

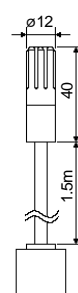|		
Relative humidity	Sensor	High-polymer capacitance type
	Measuring range	0 to 100%RH
	Accuracy rating	±2%RH (at 0 to 90%RH and 25ºC) ±3%RH (at 90 to 95%RH and 25ºC)
	Temperature coefficient	±0.1%RH/ºC (5 to 80ºC)
	Response time	Within 15 seconds (90% response, 25ºC constant, under 0.1m/s ventilation
Temperature	Sensor	Semiconductor type temperature sensor
	Measuring range	-10 to 50ºC -40 to 80ºC (Probe type HN-CHP, Separate type HN-CHT)
	Accuracy rating	±0.5ºC (0 to 50ºC) ±1ºC (except above)
Sensor interchangeability		Interchangeable by plug-in For probe type and separate type, interchangeable including cable
Power supply		2 AA batteries or 100 to 240VAC (AC adapter: Separate purchase is required.
Display	Current data	Month, day, hour, minute Temperature reading (ºC or ºF) Relative humidity or dew-point temperature reading (ºC or ºF)
	Logged data	Parameters Logged data at each year, month, day, hour or minute Maximum temperature/humidity, minimum temperature/humidity, average temperature/humidity, totalized temperature
	Parameters	Clock: Year, month, day, hour, minute, Temperature: ºC/ºF Relative humidity, dew-point temperature (ºC or ºF) Logging type: Manual or interval Logging start time: Year, month, day, hour, minute or direct Logging end time: Year, month, day, hour, minute Logging repetition: No repetition, every day, every week Measuring interval: Continuous, 1 minute to 60 minutes High/low alarm, reference temperature for totalizing, totalizing direction, auto power-off, key lock
	Display contents	Clock displayed constantly, measured value displayed by key-touch at OFF
Number of logged data		Temperature/humidity: Up to 8000 data each, total 16000 data (EEPROM)
Communications function		RS-232C or RS-485

■ DIMENSIONS

● **Meter**　　　　　　　　● **Probe type sensor**　　●**Separate type sensor**

Unit: mm

Specifications subject to change without notice.　Original　2001.8