PALM-SIZED TEMPERATURE/HUMIDITY METER
HN-CH SERIES

PS PERFORMANCE SPECIFICATION
CHINO

High performance temperature/humidity meter with data logging function !!!

The HN-CH series is reliable and accurate palm-sized temperature/ humidity meter with the measuring humidity range of 0 to 100%RH by using a new developed humidity sensor.

It also provides the data logging function capable to store each 8000 readings of 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 each 8000 readings of temperature and humidity

● Easy maintenance by complete interchangeable sensors

● Three types of sensors, sensor built-in type, probe type and separated type, are prepared for various applications.

● Data logging software package
A software package for analyzing data measured by HN-CH is available shortly.
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.

■ MODELS

HN-CH☐☐

Type of sensor
 N: Sensor built-in type
 P: Probe type (with 1.5m cable)
 T: Separated type (with 1.5m cable)
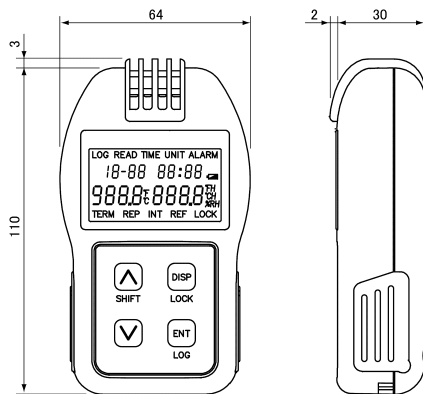Communications interface
 R: RS-232C
 S: RS-485

■ APPLICATIONS

● Environmental testing equipments, chambers, clean benches

● Food storage, grain storage, green houses

● Art galleries, museums
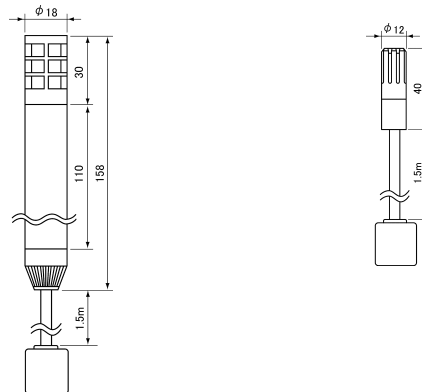
● Food transport trucks

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, Separated type HN-CHT)
	Accuracy rating	±0.5ºC (0 to 50ºC) ±1ºC (except above)
Sensor interchangeability		Interchangeable by plug-in For probe type and separated type, interchangeable including cable
Power supply		2 AA batteries or 100VAC (By AC adapter: Sold separately)
Display	Current data	Month, day, hour, minute Temperature reading (ºC or ºF) Relative humidity or dew-point temperature reading (ºC or ºF)
	Replaying data	Parameters Logged data at each year, month, day, hour or minute Maximum temperature/humidity, minimum temperature/humidity,
	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 or direct Logging repetition: No repetition, every day, every week Measuring interval: Continuous, 1 to 60 minutes High alarm, low alarm, reference temperature for totalizing, totalizing direction, auto power-off, key lock
	Display contents	Clock constantly, measured value by key-touch at OFF
Number of logging 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**

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