

# HUMIDITY/TEMP. CONTROLLER/MONITOR

Model : PHT-3109

ISO-9001, CE, IEC1010



## FEATURES

- \* Humidity : 10 to 95 %RH.
- \* Temperature : 0 to 60 °C.
- \* Resolution : 0.1 %RH, 0.1 degree.
- \* Control setting, Alarm setting.
- \* Control relay output, alarm relay output.
- \* Power : 90 ACV to 264 ACV, 50/60 Hz.
- \* RS-232 computer interface.
- \* DIN size : 96 x 48 mm. Depth : 107 mm.
- \* Accessory included : Humidity/Temp. probe.



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# HUMIDITY/TEMP. CONTROLLER/MONITOR

Model : PHT-3109

## FEATURES

* Professional Humidity measurement monitor and controller.
* Build in humidity control relay and the Temp. control relay.
* Relay will be make action ( On/Off ) when the reading value reach high limit or low limit value.
* Offset value setting.
* Hysteresis value setting for high and low alarm.
* °C, °F temp. unit setting with default.
* High precision humidity sensor with fast response time and high accuracy.
* Large red LED display, high brightness and easy to read.
* RS232 computer interface, send out the humidity and the temperature data at the same time.
* Optional data acquisition software.
* Optional GSM controller.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Standard 96 X 48 mm DIN case.

## GENERAL SPECIFICATIONS

Display	4 digits red LED, digit size : 14 mm.	
Unit	Temp.	°C, °F
	Humidity	%RH
Circuit	Custom chip of microprocessor LSI circuit.	
Sensor	Humidity	Semiconductor
	Temperature	Semiconductor
Structure		
Sampling Time	Approx. 1 second.	
Relay outputs	Number	2 relays
	Function	Relay 1 : Humidity control relay. Relay 2 : Temperature control relay.
	Max load	1 ACA/250 ACV 1 DCA/24 DCV
Setting value	High limit value setting. Low limit value setting. Hysteresis value setting. Offset value setting. * Setting for Humidity and Temp.	

\* Appearance and specifications listed in this brochure are subject to change without notice.

External Power Supply	DC 12 V, 50 mA max.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 °C. * Meter
Operating Humidity	Less than 80% R.H. * Meter
Power Supply	90 to 260 ACV, 50/60 Hz.
Power Consumption	Approx. 4.7 VA/AC 110V. Approx. 5.3 VA/AC 220V.
Weight	384 g/ 0.84 LB. * Including probe.
Dimension	DIN size : 96 x 48 mm. Depth : 110 mm.
Accessories Included	Instruction manual..... 1 PC Humidity/Temp. probe..... 1 PC Case holder with screw..... 2 PCs Probe fix holder..... 1 PC
Optional Accessories	* Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCB-02. * GSM controller, GSM-889. * Interface cable ( cable between meter to GSM-889 ), GMCB-89.

## ELECTRICAL SPECIFICATIONS (23±5 °C)

### Humidity

Range	10 % to 95 % R.H.
Resolution	0.1 % R.H.
Accuracy	≥ 70% RH ± (3% reading + 1% RH). < 70% RH - 3% RH. ± 3% RH.

### Temperature

Measuring Range	0 °C to 50 °C / 32 °F to 122 °F
Resolution	0.1 °C / 0.1 °F
Accuracy	± 0.8 °C / 1.5 °F

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