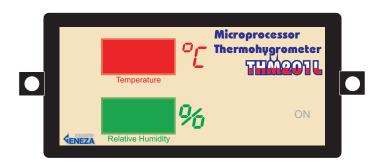


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Microprocessor based ThermoHygrometer Model T HM - 201 L



Description.

The microprocessor based thermohygrometer model THM-201 L is ideal for both on-site and field relative humidity and temperature readings. The humidity sensor possesses long term stability and negliglible hysteresis. Also, it is insensitive to most chemical non-agresive vapours.

For measurements in dust environment you can choose a probe with the sintered filter. The temperature channel in the THM-201 L thermohygrometer features Pt - 100 probe for the accurate reading. This model of thermohygrometer has a large easy-to-read LED display allowing 0.1*C and 0.5% RH resolution.

The sensitive sensor elements are formed into a single unit. This combination probe, is plug-in directly to the meter or through the cable, and measures humidity to 98% at temperature up to 60*C

The probe allows to use very long cable (up to 50 meters). Nonvolatile memory stores setup conditions (probe calibration). Higher accuracies, greater than typical electronic thermohygrometers are achieved through a unique linearising technique. Application of the internal microprocessor ensure a minimal measuring error and a large easy-to-read LED display enable simply read-out of results.

Easy routine maintance and small size provides an excellent comfort of using and wide application in scientific research, environment measurements, food industry and many others.

Technical data:

Humidity:	thin film sensor
Temperature input:	Pt - 100 sensor according to EN 60751+ A1: 1999
Range of temperature measuring :	
Range of humidity measuring:	5% do 98% RH
Temperature/humidity resolution:	0,1*C/0,5% RH
Humidity accuracy:	<u>+</u> 3% for 20% <rh<90% (="" at="" calibration="" td="" temperature)<=""></rh<90%>
	± 5% below 20% RH or above 90% RH
Temperature accuracy:	. <u>+</u> 0,4*C
Operating temperature :	. +5*C do +40*C
Operating humidity:	up to 85% RH
Distance between meter and probe:	up to 50 meters
LED brightness setting:	knobs on meter housing
Power :	9 to 12 Volt, dc or 230 V ac trough an adapter
Housing:	black plastic
Size:	L145 x W75 x D40 mm