DIGITAL HYGRO-THERMOMETER - DHM200

FEATURES:

- Data Acquisition for up to 1000 double measurements with manual save
  Optional timer to automatically save data
- High accuracy
- Display of percent Relative Humidity
- Display of Temperature in °F or °C
- Display of Calculated Dewpoint in °F or °C
- Maximum and Minimum over current measuring session
- Maximum and Minimum over acquired values
- Serial output through standard RS232C Data-link
- Automatic display and battery test
- User-friendly keypad for simple operation
- 2 separate analog outputs

SPECIFICATIONS

Ranges:

Relative Humidity (Combination RH/Temp Probe):
Range:	5% to 95%
Sensing Element:	Thin film capacitive type
Temperature Drift:	±0.5% RH per 10°C
Response time:	Up to 90% of fluctuation in 15 sec.

Temperature (Combination RH/Temp Probe):
Range:	-5° to +175°F (-20° to +80°C)
Sensing Element:	RTD sensor (PT100)
Response time:	Approx. 60 sec

Temperature (using separate Temperature Probe):
Range:	-100° to +575°F, -100° to +300°C

Accuracy:
Temperature:	±0.2% of Reading ±1 digit
Relative Humidity	±2% RH ±1 digit

Resolution:
Temperature:	0.2°F or 0.1°C
Relative Humidity	0.1% RH

Display: 0.5" 4 Digit LCD display

Operating Temperature:
Instrument:	32°F to 125°F (0°C to 50°C)
Probe:	-5°F to 175°F (-20°C to 80°C)

Power Supply: 9 V alkaline battery(Eveready 522

Battery Life: Approximately 40 hours

Data Acquisition: Stores up to 1000 double measurements (RH and Temperature) with manual save

Data Link: Standard RS232C at 1200 baud, including handshake signals CTS and RTS

Analog Outputs: 0-2V each for RH and Temp.

Dimensions: 5.9" X 3.2" X 1.2" (instrument)
7" X 1" diameter (probe)

Optional:

i	Rechargeable battery & charger PN CG3
ii	Timer for automatically saving data PN TIMER
iii	Printer PN IMP2600
iv	Display Software PN SOFTWARE
v	Sinter filter PN3901
vi	Battery eliminator PN BAT ELIM
vii	Temperature probes:

PT201S Immersion probe
PT202S Air probe
PT203S Surface probe

DHM200 is supplied with:

1 pc. Humidity/Temperature probe PN HTP201
1 pc. RS232C serial cable
1 pc. Analog output cable
1 pc. Carrying case PN6001

The Digital Hygro-Thermometer DHM200 checks relative humidity and temperature for the air conditioning, heating, and ventilating fields. This instrument also displays a calculated dew-point.

With the built-in memory up to 1000 double values can be stored and the collected data can be transmitted to a printer or PC through a RS232C interface.