

Material Humidity Measurements



MH 3830

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DESCRIPTION

MH 3830 Digital universal humidity/temperature measuring instrument for use with automatically recognizable exchangeable sensor

Measurement inputs : material humidity (resistive sensor)
 internal temperature (NTC)
 external temperature (NiCr-Ni type K)

TECHNICAL SPECIFICATION

| | |
|----------------------------|---|
| Measuring range : | -1999....9999 digit |
| material humidity | 4.0....100.0 % weight humidity / 0.1 % |
| internal temperature | -25.0.....50.0 °C / 0.1°C |
| external temperature | -40-0...200.0 °C / 0.1 °C |
| Accuracy : | |
| material humidity | +/- 0.2 % weight humidity |
| internal temperature | +/- 0.5% f.s. +/- 0.3 C +/- 1 digit |
| external temperature | +/- 0.5 % f.s. +/- 0.3 C +/- 1 digit |
| Units : | % rH, °C, °F, (selectable) |
| Functions : | PC-Interface, analogous exit 0....1V HOLD, Auto-HOLD, 490 material identity lines |
| Display : | multifunction LCD for measurement value an functions |
| Electr. Connection: | 1 x BNC-socket for material humidity incl. PVC cable and 1 x mini DIN socket |
| Power Supply : | 9V battery and ext. power supply unit 12 VDC LOW-battery display, Auto-OFF (adjustable 1....120 minutes) |
| Dimensions : | 140 x 70 x 30 mm (HxWxD), 160 g incl. battery |