Hand-held instruments for humidity and temperature

MH 3330 and MH 3350

MH 3330

Digital universal humidity / temperature hand-held instrument
For use with automatically recognizable exchangeable sensor
TFS 0100 E

- Inputs
  2 x mini-DIN-sockets for capacitive polymer humidity sensor
  with Pt1000 temperature sensor 1 x mini-DIN-socket for type K
  surface temperature

- Measuring ranges / resolution
  Humidity   0.0...100.0 % r.H. / 0.1 %
  Temperature   -40.0...120.0 °C / 0.1 °C
  Surface temperature   -80.0...250.0 °C / 0.1 °C

- Accuracy
  Humidity   ±0.1 % full scale
  Temperature   ±0.2 % full scale ±1 digit
  Surface temperature   ±0.5 % of rdg. ±0.5 °C ±1 digit

- Units
  °C, °F, r.H.

- PC Interface
  Data link with serial PC-Interface
  DC-isolated and short-circuit proof

MH 3350

Same as MH 3330
Additional logger-, alarm- and clock functions

- Alarm and time display
  Min-max alarm signal via display, interface and buzzer
  Real time clock with date and year indication

Types MH 3330 / 3350 , **TFS** 0100 E

- Data storage (Log function)
  STORE
  99 data sets (humidity, temp1, temp2, dew point, dew point
  distance, heat content, time, date)
  Manual data set reading via keystroke
  CYCLE
  5400 data sets (humidity, temp1, temp2, dew point, dew
  point distance, heat content)
  Automatic data set reading in the set interval
  Adjustable measurement interval 1 s...60 minutes

Sensor TFS 0100 E	
Measuring ranges / resolution	Humidity 0.0...100 % rH / 0.1 % rH Temperature -40.0...120.0 °C / 0.1 °C
Measuring elements	Humidity capacitive polymer sensor Temperature Pt 1000 / 2-wire
Accuracy	Humidity ±2 % of rdg. Temperature 1/3 DIN Pt1000 (±0.1 °C ±0.005 [T])
Electrical connection	PVC cable (1m) with mini-DIN-plug
Tube	Anodized aluminium with plastic sensor head
Dimensions / weight	14 x 120 mm (D x L1) / approx. 110 g