



TFH 610 Hygrometer with fixed humidity probe



Technical Data

| | |
|--------------------------------|---------------------------------------|
| Measurement range: Humidity | 0 % rH ... 100 % rH |
| Measurement range: Temperature | 0 °C ... +50 °C (32 °F ... 122 °F) |
| Accuracy: Humidity | ±2.5 % rH (from 10 % ... 90 %) |
| Accuracy: Temperature | ±0.5 °C (±0.9 °F) |
| Resolution: Humidity | 0.1 % |
| Resolution: Temperature | 0.1 °C (0.2 °F) |
| Operating temperature | 0 °C ... +50 °C (32 °F ... 122 °F) |
| Storage temperature | -25 °C ... +60 °C (-13 °F ... 140 °F) |
| Protection class | IP 40 |
| Dimensions (L x W x H) | 115 x 54 x 22 mm |
| Weight | Approximately 90 g |
| Humidity sensor | External capacitive sensor, fixed |
| Temperature sensor | External thermistor |
| Battery | Lithium battery 3.0 V / 1000 mAh |
| Battery lifetime | Up to 5 years |
| Sampling rate | 1 sec to 15 sec |
| Certificate | Factory calibration certificate |

- Approximately 5 years battery life time

| Type | Description | Part No. |
|---------|---|-----------|
| TFH 610 | Hygrometer for humidity and temperature measurement | 1340-5610 |

TFH 620 Hygrometer with MIN/MAX and hold options



Technical Data

| | |
|--------------------------------|---|
| Measurement range: Humidity | 0 % rH ... 100 % rH |
| Measurement range: Temperature | 0 °C ... +60 °C (32 °F ... 140 °F) |
| Accuracy: Humidity | ±2 % rH (from 5 % ... 95 %) |
| Accuracy: Temperature | ±0.3 °C (±0.5 °F) |
| Resolution: Humidity | 0.1 % |
| Resolution: Temperature | 0.1 °C (0.2 °F) |
| Operating temperature | 0 °C ... +50 °C (32 °F ... 122 °F) |
| Storage temperature | -25 °C ... +60 °C (-13 °F ... 140 °F) |
| Protection class | IP 67 (device without probe) |
| Dimensions (L x W x H) | 115 x 54 x 22 mm |
| Weight | Approximately 90 g |
| Humidity sensor | External capacitive sensor, removeable |
| Temperature sensor | External Pt 1000 sensor |
| Probe position | External, plug-in probe, cable length 90 cm |
| Battery | Lithium battery 3.0 V / 1000 mAh |
| Battery lifetime | Up to 5 years |
| Sampling rate | 1 sec to 15 sec |
| Certificate | Factory calibration certificate |

- High precision
- Approximately 5 years battery life time

| Type | Description | Part No. |
|-------------------|---|-----------|
| TFH 620 + TPH 100 | Hygrometer for humidity and temperature measurements with air probe | 1340-5621 |

Accessories for TFH Hygrometers



AG 140 Protective cover for handheld devices, red



AH 100 PTFE filter for TFH 610 and TFH 620



AH 200 Bronze sintered filter for TFH 610 and TFH 620



AH 300 Stainless steel sintered filter for TFH 610 and TFH 620

| Type | Description | Part No. |
|--------|---|-----------|
| AG 140 | Protective cover for handheld devices, red | 1340-5005 |
| AH 100 | PTFE filter for TFH 610 and TFH 620 | 1340-5627 |
| AH 200 | Bronze sintered filter for TFH 610 and TFH 620 | 1340-5626 |
| AH 300 | Stainless steel sintered filter for TFH 610 and TFH 620 | 1340-5625 |

THI 350 Hygrometer/Infrared Thermometer with automatic dew point calculation



Technical Data

| | |
|--|---|
| Measurement range | -60 °C ... +500 °C (-76 °F ... +932 °F) |
| Temperature accuracy | ±1.0 °C (+15 °C ... +35 °C), ±2 °C (-33 °C ... 500 °C), ±2 °C for the remaining measurement range |
| Emissivity factor | 0.95 standard, adjustable from 0.1 to 1.0 |
| Resolution (-9,9~199,9 °C) | 0.1 °C / 0.1 °F |
| Response time | 1 sec |
| Operating Temperature | 0 °C to +50 °C (+32 °F to +122 °C) |
| Distance:Spot | 12:1 |
| Measurement range relative air humidity (T _{amb} = 23 ± 5degC) | 1~99 % |
| Accuracy | ± 3 % of 20~80 %, otherwise ±5 % |
| Dew point | -50~50 °C, Accuracy: ±2.5 °C of 20~30 %rH; ±2 °C of 31~40 % rH; ±1,5 °C of 41~95 rH |
| Battery | 2 x AAA Micro (Alkaline recommended) |
| Battery lifetime | Typically 180 h, at least 140 h of continuous use |
| Dimensions (L x W x H) | 46 x 143 x 184.8 mm |
| Certificate | Factory calibration certificate |

- Visible and audible alarm upon exceeding of user setable limits
- Distance:spot ratio = 12:1

| Type | Description | Part No. |
|---------|--|-----------|
| THI 350 | Infrared thermometer with air humidity measurement | 1340-1790 |