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GREISNDER GMH 3330 Temperature Humidity Measuring Probe User Manual

GREISINGER

**Temperature/humidity measuring probe
for GMH 3330 and GMH 3350
TFS 0100 E
Operating Manual**

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Contents

Intended use

The measuring probe is designed for the connection to a hand-held instrument of the following types: GMH 3330 and GMH 3350
The measuring probe is designed for measuring temperature and humidity.

General

Read through this document attentively and make yourself familiar to the operation of the device before you use it. Keep this document in a ready-to-hand way in order to be able to look up in the case of doubt.

Disposal

 This device must not be disposed as "residual waste".
To dispose this device, please send it directly to us (adequately stamped).
We will dispose it appropriately and environmentally friendly

Operating and Maintenance Advice

a.) You must only use the measuring probe with GMH 3330 or GMH 3350 devices!
Usage of other devices may result in destruction of sensor and device.
b) Treat sensor and device carefully. Use only in accordance with above specification. (do not throw, hit against etc.).
Protect plug from soiling.
c) To disconnect the measuring probe do not pull at the cable but at the plug.
When connecting the sensor make sure that plug is entered into device socket centrally. Do not twist plug when entering socket. If plug is entered correctly, it will slide in smoothly
If plug is twisted or entered incorrectly the connecting pins of the plug can be spoilt by bending or broken .

Safety requirements

This device has been designed and tested in accordance with the safety regulations for electronic devices. However, its trouble-free operation and reliability cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using the device.

1. Trouble-free operation and reliability of the device can only be guaranteed if the device is not subjected to any other climatic conditions than those stated under "Specification".

2. If the device is transported from a cold to a warm environment condensation may result in a failure of the device.

In such a case make sure the device temperature has adjusted to the ambient temperature before trying a new start-up.

3. If there is a risk whatsoever involved in running it, the device has to be switched off immediately and to be marked accordingly to avoid re-starting.

Operator safety may be at risk if:

– there is visible damage to the device.

– the device is not working as specified.

– the device has been stored under unsuitable conditions for a longer time.

In case of doubt, please return device to manufacturer for repair or maintenance.

4. **Warning:** Do not use this product as safety or emergency stop device or in any other application where failure of the product could result in personal injury or material damage.

Failure to comply with these instructions could result in death or serious injury and material damage.

5. Any changes or repair of the device is not allowed.

Please return device to manufacturer for repair or maintenance.

Specification

Measuring range:	
humidity: temperature:	0,0 … 100,0 %RH (rec. range of application: 10 … 90 %RH) -40,0 … +100,0 °C (for short-time up to 120 °C)
Accuracy: (at nominal temperature)	
humidity: temperature:	±2.5 % (at range 10 … 90 %RH) ±0.5 °C
Sensors:	
humidity: temperature:	capacitive polymer-humidity sensor Pt1000
Electronics:	PC board with evaluation of measuring data and memory for sensor data (measuring range, calibration etc.) integrated in handle.
Nominal temperature:	25°C
Working temperature:	

sensor head and tube: handle and electronic:	-40 … +100 °C (for short-time up to 120 °C) -25 … +60 °C
Relative humidity:	0 … +100 %RH.
Storage temperature:	-25 … +70 °C
Unit connection:	1.2 m PVC connection cable with 6-pin screened lockable Mini-DINsocket.
Dimensions:	
Sensor tube: plastic handle:	Ø14 x 119 mm, Ø19 x 135 mm
Weight:	approx. 90 g
EMC:	The device corresponds to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (2004/108/EG). Additional fault: <1%

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GHM

MESSTECHNIK

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Documents / Resources

GREISINGER Temperature/humidity measuring probe for GMH 3330 and GMH 3350 **TFS 0100 E** Operating Manual	**GREISNDER GMH 3330 Temperature Humidity Measuring Probe** [pdf] User Manual GMH 3330, GMH 3350, GMH 3330 Temperature Humidity Measuring Probe, GMH 3330, Temperature Humidity Measuring Probe, Humidity Measuring Probe, Measuring Probe, Probe