Handheld instrument
Display / Controller
Logger / EASYBus
Transmitter
Temperature probe
Alarm / Protection

Humidity, temperature and flow rate measuring device

STANDARD-
FUNCTIONS:

AUTO OFF

BAT

HOLD

MIN MAX

GMH 3330 CE
Feuchte, Temperatur, Strömung
Humidity, Temperature, Flow
GREISINGER electronic
made in Germany
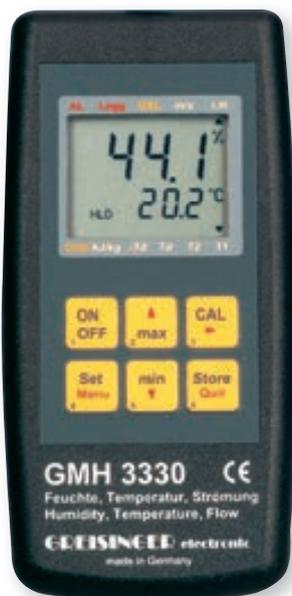
HIGHLIGHTS:

• Calculation of dew point temperature, dew point distance and enthalpy

• Serial interface

• Additional temperature input (type K)

ADDITIONAL FUNCTIONS GMH 3350:

ALARM   LOGG   🕐

GMH 3330
climate measuring device, probe not included

GMH 3350
climate measuring device, probe not included, with data logger

Please order probes separately! (p.r.t. next page)
(No re-calibration required for probe exchange!)

GMH 3330-TFS 0100E-WPF4
Product-ID: 602682
Complete Solution with humidity-/temperature probe TFS 0100 E
and incl. certificate of calibration WPF4 (~20 % / ~40 % / ~60 % / ~80 % RH
ascending / descending) and case GKK 3500.

Specification:	
Measuring ranges:	
Relative humidity:	0.0 ... 100.0 % RH
Ambient temperature:	-40.0 ... +120.0 °C (depending on TFS-probe)
Surface temperature:	-80.0 ... +250.0 °C
Flow rate:	depending on STS probe (p.r.t. next page)
Resolution:	0.1 % RH, 0.1 °C / 0.1 °F, 0.01 m/s
Accuracy (device) (±1 digit) (at nominal temperature = 25 °C)	
Relative humidity:	±0.1 %
Ambient temperature (Pt1000): ±0.2 %	
Surface temperature (NiCr-Ni):	±0.5 % of m.v. ±0.5 °C
Flow rate:	±0.1 %
Probes: (p.r.t. next page)	No calibration required for exchange of humidity/ temperature or flow rate probe.
Probe connection:	6-pin screened Mini-DIN-socket
NiCr-Ni-connection:	for miniature flat-pin plug
Display:	two 4½ digit LCDs (12.4 mm or 7 mm high), as well as additional functional arrows.
Working temperature:	-25 ... +50 °C
Relative humidity:	0 ... 95 % RH (non-condensing)
Storage temperature:	-25 ... +70 °C
Pushbuttons:	6 membrane keys
Interface:	serial interface, direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter GRS 3100 or GRS 3105 resp. USB 3100 N (p.r.t. accessories).
Power supply:	9 V battery as well as additional d.c. connector for exter- nal 10.5-12 V direct voltage supply. (suitable power supply: GNG10/3000)
Power consumption:	approx. 2.5 mA (incl. TFS 0100)
Housing:	Impact-resistant ABS plastic housing, membrane keyboard, transparent panel, front side IP65, integrated pop-up clip
Dimensions:	142 x 71 x 26 mm (H x W x D)
Weight:	approx. 160 g (incl. battery)
Scope of supply:	Device, battery, manual

Additional functions:

Calculation of dew point:
based upon humidity and temperature.

Calculation of dew point distance:
by means of a surface measurement

Calculation of enthalpy
thermal content h of the air

Adjustment-function for atmospheric humidity measurements

NiCr-Ni-temperature measuring:
any standard NiCr-Ni-probe (type K) can be plugged in.
Recommendation: GOF 400 VE (p.r.t. p. 20). A compensation value can be set for surface measurement if necessary.

Flow measurements:
Two different systems for averaging are integrated:
- **continuous averaging:** the average value displayed is calculated using the last measurements during the averaging time set.
- **averaging upon request:** by starting the current measuring value will be displayed for the averaging time. As soon as the time has expired the average value will be displayed, the device is in HOLD mode.
- **selectable averaging time:** 1 ... 30 s

Accessories and spare parts:

GNG 10/3000
plug-in power supply

USB 3100 N
interface converter, electrically isolated

GSOFT 3050
software for the setting, data read-out and printing of all logger data stored for devices of the GMH3xxx-series with logger function

GAM 3000
Switching module for devices of the GMH3xxx-series incl. alarm output

ST-RN
device protection bag with cut out for sensor connection,
suitable for: GMH3330, GMH3350

GKK 3500
case with cut-outs for GMH3xxx

GKK 3600
case with foam lining for universal use