

# Professional RH/T data logger

Network data logging - new defined !

Novasina, a leading manufacturer of precision humidity and temperature measurement devices with more than 50 years of experience is proud to present this new data logger system HygroGuard 30.



# HygroGuard 30

Get your climate any time under control  
Modern digital Thermo-Hygrograph measurement devices



The new Novasina relative humidity, temperature and absolute pressure data loggers for various applications in the air environment excel with versatility, simplicity and data storage capacity.

Essential keys of this system are the USB interface (offline readout) and the managed ethernet, TCP/IP connection (online) by which the HygroGuard 30 transfers the detected data to a storage device, e.g. a PC. Another asset is the intuitive SmartGraph III software, which simplifies the management of the over 3'000'000 data points that can be stored. The big LCD gives a clear view about the actual measurement data as well as battery status, connections, actual date and time. The outstanding data storage capacity allows an independent function for a long period of time. Manifold configuration possibilities such as settings of visual and acoustic alarms, data logging intervals, start/stop functions etc. make this new data logger versatile and flexible.

HygroGuard 30, the best data logger choice for stand-alone or network applications in laboratories, warehouses, server rooms, archives, production processes, museums, basements, transportation and many more...

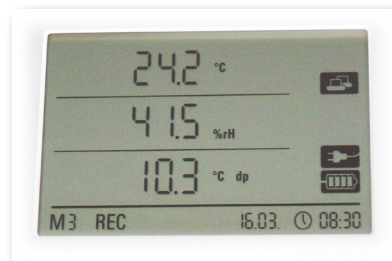
## Facts & figures :

- Operation temperature -20 ... +50°C  
humidity 0 ... 95%RH  
altitude up to 10'000 a.s.l.
- Big clear readable 3 line LCD screen
- Standard 4 x AA batteries for stand-alone use
- Dimensions : 166 x 32 x 78 mm
- Power supply by 5V USB connector possible
- USB and ethernet TCP/IP interface (ready for managed PC networks)
- Calibration/adjusting by included SmartGraph III software
- More than 3 Mio data point logging memory
- Included SmartGraph III software for configuration, calibration, adjustment, data visualisation & export.
- DIN rail mounting H35 possible
- Internal BEEP (acoustic Alarm Signal) combined with LCD alarm mark
- Flexible data measurement & storage intervall

3 versions available :

<b>HygroGuard 30</b>	(%RH, temperature, dew point)
<b>ClimaLog 30</b>	(%RH, temperature, absolute pressure)
<b>DataLog 30</b>	(8x UMB Bus parameter + 2x analogue)

*no internal sensors*



**novasina**  
The Art of Precision Measurement

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## Specifications HygroGuard / ClimaLog 30 :

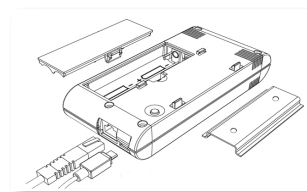
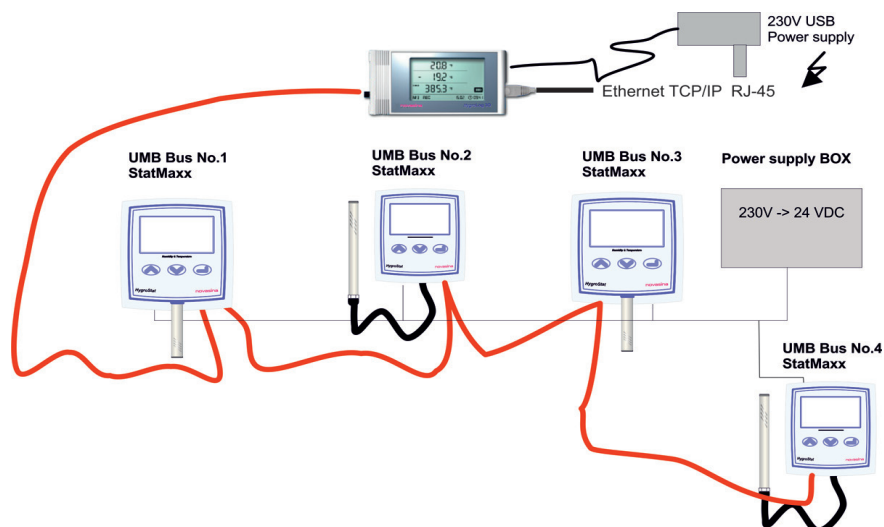
	<b>HygroGuard 30</b>	<b>ClimaLog 30</b>	<b>DataLog 30</b>
Article No.	<b>260 xxxx</b>	<b>260 xxxx</b>	<b>260 xxxx</b>
Sensor	rel. humidity 0...100% Temperature -20...50°C	rel. humidity 0...100% Temperature -20...50°C Abs. pressure 0..10'000m 300...1'300 hPa	UMB Bus 2 x analogue input I :0...20mA U:0..10V
Measurement principle	%RH : capacitive Temp : NTC	%RH : capacitive Temp : NTC hPa : piezo	see connected sensors!
Accuracy :	%RH : +/- 2% Temp : +/-0.3°C	%RH : +/- 2% Temp : +/-0.3°C hPa : +/-0.5 hPa at 25°C	see connected sensors!
Resolution :	%RH : 0.5% Temp : 0.1 °C	%RH : 0.5% Temp : 0.1 °C hPa : 0.1 hPa	
Dimension :	166x78x32 mm plastic housing		
Weight :	approx. 250 gr		
LCD screen :	specific 3 line segment LCD with status, Alarm, data, time, connection		
Power supply:	4xAA LR6 battery (>1 year life time) or/and +5V USB interface (PoE option)		
Interfaces	USB, LAN (ethernet TCP/IP), UMB-bus		
Memory :	16 MB - 3'200'000 data points		
Meas. interval :	10 / 30 s, 1 / 10 / 12 / 15 / 30 min, 1 / 3 / 6 / 12 / 24 h		
Memory interval :	1 / 10 / 12 / 15 / 30 min, 1 / 3 / 6 / 12 / 24 h		
Operation cond. :	-20...+50°C / 0....95%RH (no condensation) / 10'000m a.s.l.		



### Accessories + Options

Article-Nr.

Spare part LR 6 AA battery	<b>260 xxxx</b>
DIN hut rail mounting kit	<b>260 xxxx</b>
Power supply USB 90...260VAC -> 5V DC	<b>260 xxxx</b>
Power Box 90...260VAC -> 24V	<b>260 xxxx</b>
M12 UMB connector	<b>260 xxxx</b>
Analogue connector	<b>260 xxxx</b>
USB-cable	<b>260 xxxx</b>
UMB cable 2 x 2 x 0.5mm twisted	<b>260 xxxx</b>
Ethernet TCP IP RJ 45 cable 3m	<b>260 xxxx</b>



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