

StatMaxx R/S/M

Electronic humidity and temperature measurement instrument with UMB data logger interface

Humidity-temperature control and monitoring simple and efficient!



Versions :

- **StatMaxx S :**
Humidity-temperature instrument for measurement of climatic parameters in rooms (fresh air) with integrated digital sensor and 2-point control capability by configuration of setpoint, hysteresis and delay.
- **StatMaxx R :**
Humidity-temperature instrument for measurement of climatic parameters in ducts (fresh air) with integrated digital sensor and 2-point control capability by configuration of setpoint, hysteresis and delay.
- **StatMaxx M :**
Humidity-temperature instrument for measurement of climatic parameters (fresh air) with remote sensor (3m cable), integrated digital sensor and 2-point control capability by configuration of setpoint, hysteresis and delay.

General information

Never before, the relative humidity and temperature measurement was as easy. The **StatMaxx** combines the function of a 2-point control of humidity and temperature with a big LCD display and the possibility of data logging by a local data logger unit. Thanks to a direct network connection, the data analysis and visualisation is made directly on a personal computer. The integrated galvanic isolated relay outputs permit also simple control functions. Therewith cooling and heating devices can be easily controlled.

The **StatMaxx** is available in 3 versions, **S** (room), **R** (duct) and **M** (remote sensor with 3m cable).

The implemented digital Bus-System (UMB protocol) allows the connection of up to 4 additional **StatMaxx** devices to a **DataLog 30**

data logger (available as well from Novasina) and hence a construction of simple and efficient systems for room monitoring. The humidity sensor is based on a state-of-the-art capacitive technology.

Due to miniaturisation and ideal material selection this measurement device offers a high resistance against aggressive substances in the ambient air.

The **StatMaxx** offers also various functions and setting capabilities. With the 3 buttons and the intuitive menu structure it can be configured easily and if required calibrated at 3 humidity points and 1 temperature point.

StatMaxx, Novasina's latest quality product „Made in Switzerland“.

Advantages

- Best price efficiency
- High accuracy and reproducibility
- Robust design of sensor and housing
- Big, clear LC-Display RH / temperature /alarm
- Simple humidity (3 points), temperature (1 point) calibration
- Configuration of threshold, hysteresis and delay for contact relay
- Intuitive menu structure
- Password protection system
- Versatile utilisation and easy mounting and start-up

Applications

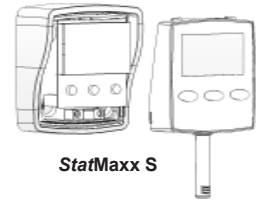
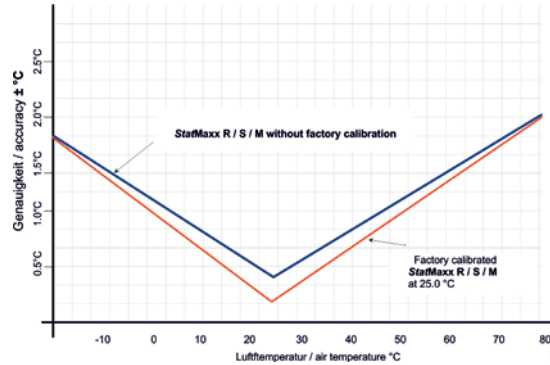
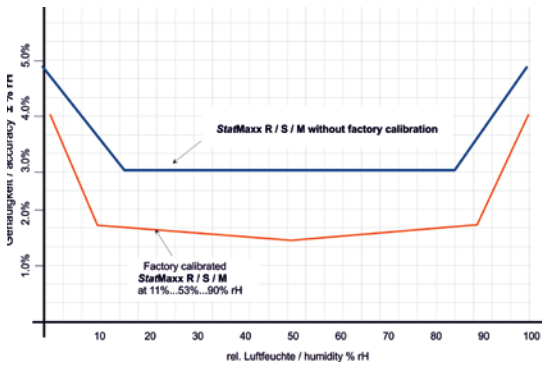
Mesurement and monitoring of HVAC plants in following applications:

- Industrial climatic installations
- Anti-freeze protection in rooms
- Protection against molds in cellars and archives
- Alarming in case of condensation
- Monitoring of storages and archives
- Long term monitoring in laboratories, production rooms
- De-humidification in museums and storages



Technical data

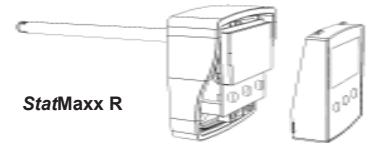
Type	StatMaxx S	StatMaxx R	StatMaxx M
Novasina article no.	260 0840	260 0839	260 0841
Dimensions	183 x 110 x 50 mm	118 x 110 x 300 mm	118 x 110 x 50 mm
Measurement range humidity	0 ... 100 % RH		
Measurement range temperature	-20 ... +80°C		
Accuracy humidity - standard	+/- 3.0 % RH	see graph below	
Accuracy humidity with factory calibration	+/- 1.5 % RH	with 3 point calibration (11..53..75% RH)	
Accuracy temperature	see graph below		
Display resolution	0,1 % RH	0,1°C / 0,1°F	
Reproducibility humidity	+/- 1,0 % RH	range : 10 ... 85% RH	
Reproducibility temperature	+/- 0,1 °C	range : 0 ... 60°C	
Operating temperature	electronics: 0... +50°C	sensor : -20 ... + 80°C	
Long term stability of rH measurement	< +/- 0.5 % RH / year		
Power supply	24 VDC +/-20%		
Outputs			
Digital Bus-interface	UMB version 1.6. Luft DE (based on RS-485)		
Relay contact output NO / NC	Relay contact: NO / NC max. 260VAC / 2 A (ohmic)		
Measurement principle	digital capacitive CMOSens digital PN barrier layer		
Norm tests / storage conditions			
Electromagnetic compatibility	EN 61326-1 / EN 61326 A1		
IP-protection / protection norm	IP 54 / EN 61010-1		
Storage temperature (device)	5 ... 60 °C (non-condensing)		
Storage air humidity (device)	5 ... 80% rF (non-condensing)		



StatMaxx S



StatMaxx M

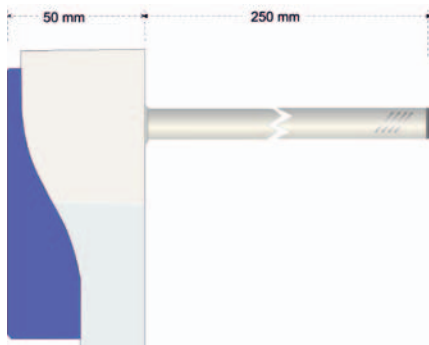


StatMaxx R

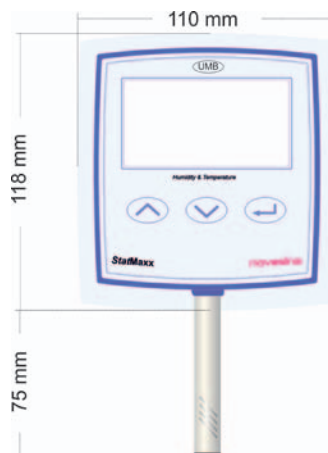
Accessories + Spare parts

	Article no.
Spare sensor for room version 75mm	252 3131
Spare sensor for duct version 250mm	252 3132
Spare remote sensor 250mm / 3m cable	252 3133
Connector set for StatMaxx	260 0033
Housing bottom	252 3135
Duct mounting kit	111 5343
Wall mounting clip	252 4468
Power supply/contacter for StatMaxx Stat-PU	260 0877
Power supply monitoring StatMaxx Log-PU	260 0869
Humidity Check SAL-SC 11% RH	111 0885
Humidity Check SAL-SC 33% RH	111 0855
Humidity Check SAL-SC 58% RH	260 0219
Humidity Check SAL-SC 75% RH	111 0859
Humidity Check SAL-SC 90% RH	111 0896

Alarm or 2 point control:
 Range : 0...100% RH
 or
 -20...+80°C
 configurable
 Relay contact NO/NC
 50...260 VAC/DC
 2 A ohmic
 Power : STAT-PU (optional)



StatMaxx R



StatMaxx S



Subject to change without notice!