

# HygroMaxx

Electronic humidity and temperature measuring instrument for climatic control

## General information

The new digital humidity/temperature measuring instrument **HygroMaxx** is available in two versions, **HygroMaxx S** (room-), **-R** (duct-) and **-M** (remote sensor). Thanks to the robust housing and sensor made of stainless steel, this device has a wide application field. The new digital capacitive humidity cell complies the state of the art in technology and offers outstanding measuring features. Due to the miniaturization and optimal choice of materials the measuring element offers a high resistance against aggressive substances in the air environment.

The **HygroMaxx** transmitter disposes of practical functions and configuration capabilities such as a

calibration at 3 humidity points and an offset shift function of the temperature.

Two scalable analogue outputs transmit up to 10 times a second the actual measurement values to the connected controlling system. At the same time the value is displayed on the big and clear **LC-Display**.

The integrated micro processor supervises at any time all parameters and functions. Eventual failures are displayed immediately.

The **HygroMaxx** is a device, which is used mainly in the climatic control sector (HVAC).

**HygroMaxx**, Novasina's newest quality product, „**Made in Switzerland**“.

## Advantages

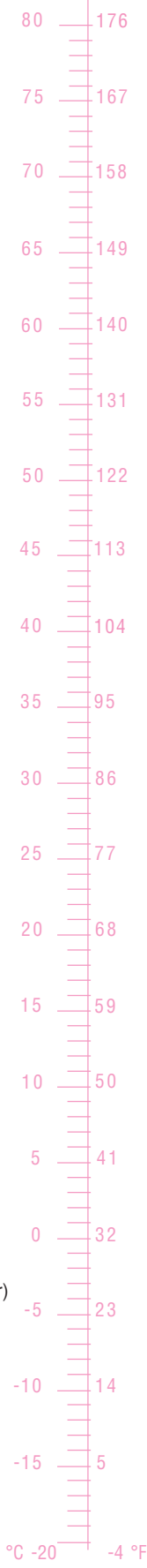
- Best price efficiency
- High measurement accuracy and reproducibility
- Robust design of housing and sensor
- Big, clear LC-Display RH / temperature
- Simple humidity (3 points) & temperature (1 point) calibration
- Simple average value storage
- Intuitive menu structure
- Scalable analogue outputs
- Password protection system
- Easy mounting and start-up
- Versatile utilisation in rooms & ducts

## Applications

Measurement and monitoring for the control of climatic installations in following applications:

- Industrial climatic installations
- Clean room applications
- Green houses and tunnels
- Paper-, textile-industry
- Agriculture, meteorological monitoring
- Painting- and printing installations
- Hospitals, sport facilities
- Packing industry

Symbiosis of performance & price



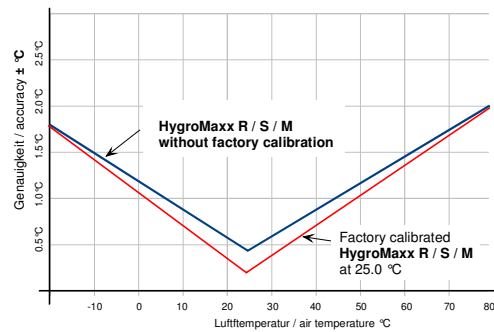
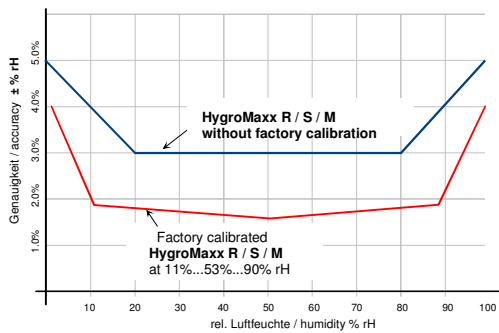
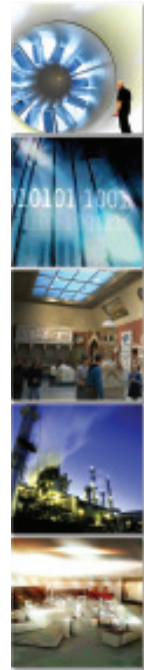
## Versions :

- **HygroMaxx S** : Humidity-Temperature measuring instrument for detection of climatic parameters in rooms (fresh air) with integrated digital sensor.
- **HygroMaxx R** : Humidity-Temperature measuring instrument for detection of climatic parameters in air supply and exhaust air ducts (fresh air) with integrated digital sensor.
- **HygroMaxx M** : Humidity-Temperature measuring instrument for detection of climatic parameters. Remote sensor with 3m cable incl. room and duct flange kit, with integrated digital sensor.



## Technical data

Type	HygroMaxx S	HygroMaxx R	HygroMaxx M
Novasina article no.	252 3054	252 3129	252 3130
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	-4 ... +176 °F	
Accuracy humidity standard	+/- 3.0 % rH	Look on graphics with 3 point calibration (11...53...90% rH)	
Accuracy humidity with factory calibration	-/- 1.5 % rH		
Accuracy temperature	Look on graphics		
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		at max. chemical working concentration
Power supply	24 VDC +/- 25%		In-Out without galvanic isolation
<b>Outputs</b>	ranges can be scaled individually		
Analogue humidity	0 ... 10V, 2 ... 10V,	0 ... 20 mA, 4 ... 20 mA	
Analogue temperature	0 ... 10V, 2 ... 10V,	0 ... 20 mA, 4 ... 20 mA	
Measurement humidity principle	digital capacitive		
Measurement temperature principle	digital PN barrier layer		
<b>Norm tests / storage conditions</b>			
Electromagnetic compatibility	EN 61326-1 / EN 61326 / A1		
IP-protection / protection norm	IP 54 / EN 61010-1		
Storage temperature (device)	5 ... 60 °C	( not condensing )	
Storage air humidity (device)	5 ... 80% rH	( not condensing )	



### Accessories + Spare parts

	Article No.
Spare sensor for room version 70 mm	252 3131
Spare sensor for duct version 250 mm	252 3132
Spare remote sensor 250mm / 3m cable	252 3133
Connector set 2 + 3 wire	252 3134
Housing bottom	252 3135
Duct mounting kit	111 5343
Wall mounting Clip	252 4468
Humidity Check SAL-SC 11% RH	111 0885
Humidity Check SAL-SC 33% RH	111 0855
Humidity Check SAL-SC 53% RH	111 0857
Humidity Check SAL-SC 75% RH	111 0859
Humidity Check SAL-SC 90% RH	111 0896



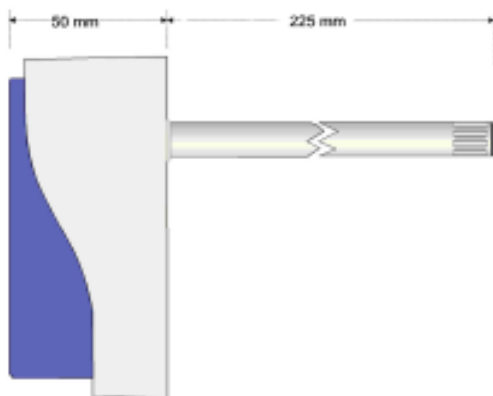
HygroMaxx R



HygroMaxx M



HygroMaxx S



HygroMaxx R



HygroMaxx S

Subject to change without notice!