

HygroMaxx

Electronic humidity & temperature measuring instrument
for climatic control



HygroMaxx S

The new digital humidity/temperature measuring instrument HygroMaxx is available in three versions:

- ❖ HygroMaxx S (room): for wall-mounted RH/T measurement in rooms
- ❖ HygroMaxx R (duct): for RH/T measurement in ducts,
- ❖ HygroMaxx M (remote): with 250mm long remote sensor with 3m cable .

Thanks to the robust housing and stainless steel sensor, this device has a wide application field:

- Industrial HVAC installations
- Clean rooms
- Greenhouses & tunnels installations
- Paper & textile industry
- Agriculture, meteorological monitoring
- Painting & printing industry
- Hospitals & sports facilities
- Packing industry
- Laboratories & calibration labs

Technical data & specification

Measurement range: 0 to 100% RH / -20 to +80°C
Accuracy: ±3.0% RH / ±0.3°C (10 – 40°C)
Display resolution: 0.1% RH / 0.1°C
Reproducibility: ±1.0% RH / ±0.1°C
Operating range: 0 to +50°C / -10 to +80°C (sensor)
Power supply : 24V DC ±10%
Analogue outputs: RH: 0 to 10V, 2 to 10V / 0 to 20mA, 4 to 20mA (ranges can be scaled individually)
°C : 0 to 10V, 2 to 10V / 0 to 20mA, 4 to 20mA (ranges can be scaled individually)

The HygroMaxx offers high measurement accuracy & reproducibility in a robust housing with a clear LC display showing RH & temperature (switchable °C/°F) and IP 54 protected sensor & transmitter. The sensor is protected against fine dust and water splashes by a membrane and is easy to replace if necessary. Two analog outputs can be connected to the control units which are freely scaleable via the menu and can be easily switched from current output (I) to voltage output (U) by an integrated dip switch. The instrument can be adjusted at 3 points RH and one temperature point by using Novasina reusable SC humidity standards and can optionally be UKAS calibrated. There is the facility of password protection to avoid any setting modification during the operation that can be activated depending upon the application and safety requirements.