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**nLink Analog Humidity
and Temperature
Transmitter**



nLink Analog Humidity and Temperature Transmitter

Designed for accuracy, these transmitters can be used for industrial process control and applications where measurement of relative humidity or temperature is required.

Allows you to monitor relative humidity and temperature easily and with confidence. Offers proportional, linear, and highly accurate dual 4 to 20 mA output current.

- Dual channel RH & T
- IP67 Housing
- Compatible with all NSENS probes from Novasina
- 4-20 mA
- 2 scalable analog outputs: current 0/4..20mA or voltage 0/2..10V



Aerospace



Automation



Clean rooms



Industrial process control



Packaging



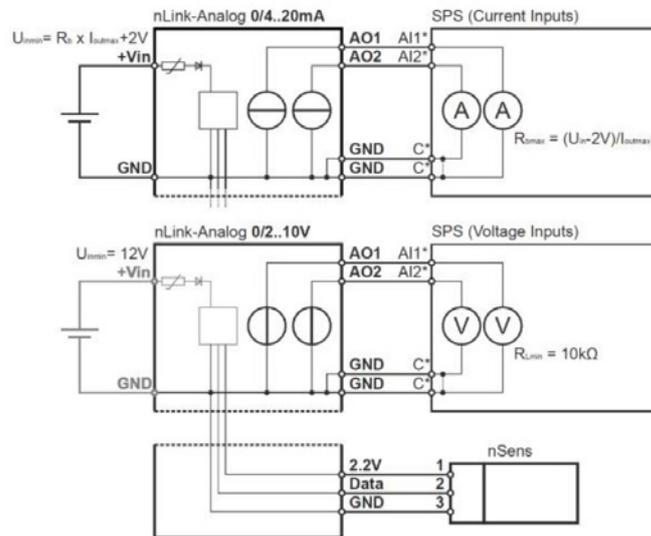
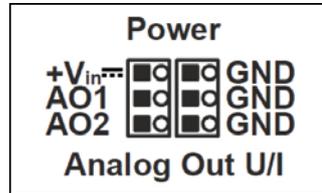
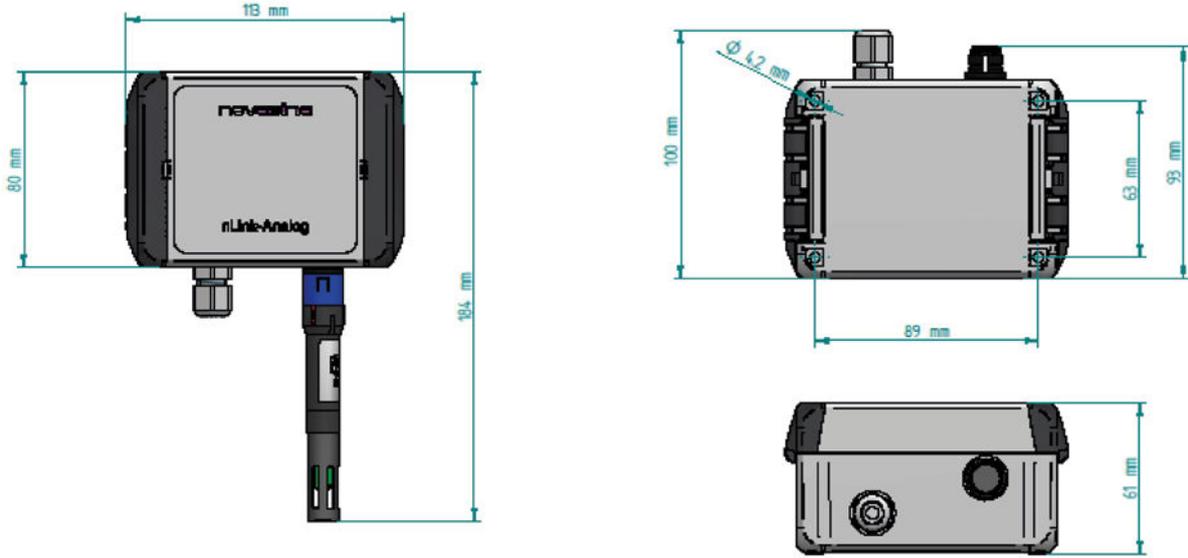
Air conditioning BMS

Who uses this technology?

- Process engineering
- Design
- Quality control
- Building control engineering



Dimension and Schematics



Specifications

Technical data	
Power supply	24V DC. Permissible voltage range: 5 to 39V
Power consumption	<0.5W
Display	None
Accuracy	+ / - 2% RH & 0.3°C
Analogue outputs (2 outputs)	2 scalable analogue outputs Current 0/4..20mA or voltage 0/2..10V Load (I): min. 0 Ω / max. 500 Ω or (Uin-2V)/Imax Load resistance (U): min. 10 kΩ / max. ∞ Ω
Range of measurement	0 - 100% RH & -20° to +80°C
Status LED	LED for power On, LED for nSens connected
Housing material	ABS
Protection class	IP67
Soldering material	Lead free (RoHS compliant)
Working temperature	0 to 50°C
Storage temperature	-10 to 60°C (non-condensing)
CE-/EMC	Safety: IEC 61010-1:2010 EMC: IEC 61000-6-2:2005, EN 61000-6-2:2005 IEC 61000-6-3:2006+A1:2010, EN 61000-6-3:2007+A1:2011
Optional	Traceable calibration

Electrical Installation. Push in connection system (spring clip).

Wire specification	
Clamping range	0.13 - 1.5mm ² (Spring clip)
Wires	w. plastic collar ferrule DIN 46228/4: 0,25 - 0.75 mm ² w. wire end ferrule DIN 46228/1: 0,25 - 1.50 mm ² Solid, min. H05(07) V-U 0.2 - 1.50 mm ² Wire connection cross section AWG28 - 14

Cable specifications depend on the installation and have to be defined by the designer or installer. Heavy machinery and other instrumentation should not share the same power supply wiring. Use noise filters and surge protectors if required.

For EMC protection it is recommended to take the following measures:

- Wires emitting interference must be separated from measurement and analysis units
- Parallel guidance of measurement cables and electrical power cables must be avoided, use different channels with separation (see European Standard EN50170 for detailed information)