# novasina

# **DATASHEET nLink+ IP MR DP25**



Transmitter with ModbusRTU output for the continuous measurement of differential pressure in a IP64 case.

Can be ordered as a variant with 1 or 2 dP sensors.

Bidirectional differential pressure sensors based on dynamic (massflow) measurement with absolute pressure sensor included.

Configuration with USB cable for Windows PC.

Configuration possible without external power supply.

Art.-Nr.: Product-name:

2602225 nLink+ IP MR A 1\*dp sensor ±25Pa 2602226 nLink+ IP MR AA 2\*dp sensor ±25Pa

### **Technical data:**

Measurement Range -25 to +25 Pa Accuracy at 20°C ±0.15Pa Temperature effect Max. ±0.10Pa Max. Resolution 0.1 Pa Long term stability ±0.05% FSS (to the temperature) Flow rate <200ul/min Ambient pressure dependency Compensated Ambient pressure: Range 700 – 1260 h	yp) d with built in abs pressure sensor Pa / mBar	
Temperature effect Max. ±0.10Pa  Max. Resolution 0.1 Pa  Long term stability ±0.05% FSS (to see the second stability)   Flow rate	d with built in abs pressure sensor Pa / mBar	
Max. Resolution  Long term stability  Flow rate  Ambient pressure dependency  0.1 Pa  ±0.05% FSS (to expendency compensated)	d with built in abs pressure sensor Pa / mBar	
Long term stability ±0.05% FSS (to Flow rate <200ul/min Compensated Compensate	d with built in abs pressure sensor Pa / mBar	
Flow rate <200ul/min Ambient pressure dependency Compensated	d with built in abs pressure sensor Pa / mBar	
Ambient pressure dependency Compensated	Pa / mBar	
	Pa / mBar	
Ambient pressure: Range 700 – 1260 h	·	
	ressure 1 har)	
Ambient pressure: Accuracy ±0.5 hPa	ressure 1 har)	
Max. permissible overpressure 2 bar (burst p	2 bar (burst pressure 4 bar)	
Power supply 24V DC, Perm	24V DC, Permissible voltage range: 5 to 39V	
Power consumption <0.5W	<0.5W	
Display	none	
Status LED for powe	LED for power On, LED for nSens connected	
Output ModbusRTU (a	ModbusRTU (all climate values and diagnostic information as described in the	
Modbusregiste	Modbusregister)	
Housing material PC/ABS	PC/ABS	
Protection class IP64	IP64	
Soldering material lead free (Rol	lead free (RoHS compliant)	
Working temperature 0 to 50°C	0 to 50°C	
Storage temperature -10 to 60°C (r	-10 to 60°C (non-condensing)	
CE-/EMC Safety: EN 63	Safety: EN 61010-1:2020	
EMC: IEC 61	.000-6-2:2016, EN 61000-6-2:2019	
IEC 61	.000-6-3:2020, EN 61000-6-3:2007+A1:2011	
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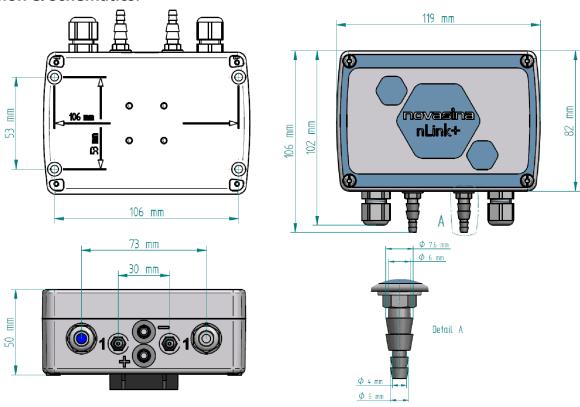
## **Electrical installation:**

Clamping range	0.13 - 1.5mm2 (Push-in Spring clip)	
Wires	w. plastic collar ferrule DIN 46228/4: w. wire end ferrule DIN 46228/1: Solid, min. H05(07) V-U Wire connection cross section AWG28 - 14	0,25 - 0.75 mm <sup>2</sup> 0,25 - 1.50 mm <sup>2</sup> 0.2 - 1.50 mm <sup>2</sup>

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)

### **Dimension & Schematics:**



## More information & accessoires

#### Link to Website>



Technical data subject to change without prior notice