

Transmitter with ModbusRTU output for the continuous measurement of differential pressure in an IP54 case.

Integrated 2.8 Zoll LCD touch display.

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.



Art.-Nr.:	Product-name:	
2602292	nLink+ DI MR A	1*dp sensor ±25Pa
2602293	nLink+ DI MR AA	2*dp sensor ±25Pa

Technical data

Description	nLink+ DI MR DP25
Measurement Range	-25 to +25 Pascal
Accuracy at 20°C	Typical ±0.15Pa
Temperature effect	Max. ±0.10Pa
Max. Resolution	0.1 Pa
Long term stability	±0.05% FSS (typ)
Flow rate	<200ul/min
Ambient pressure dependency	Compensated with built in abs pressure sensor
Ambient pressure: Range	700 – 1260 hPa / mBar
Ambient pressure: Accuracy	±0.5 hPa
Max. permissible overpressure	2 bar (burst pressure 4 bar)
Power supply	Rated voltage: 24 V AC / DC; Permissible voltage range: 5 to 48 V DC / 24 V AC
Power consumption	<0.5W
Display	2.8 Zoll LCD Touch Display
Status LED	LED for power On, LED for nSens connected
Output	all climate data and diagnostic information as described in the Modbus register in the user manual
Housing material	PC/ABS
Protection class	IP54
Soldering material	lead free (RoHS compliant)
Working temp.	0 to 50°C

Description

nLink+ DI MR DP25

Storage temperature

-10 to 60°C (non-condensing)

CE-/EMC

Safety: EN 61010-1:2020
 EMC: IEC 61000-6-3:2020, EN 61000-6-3:2007+A1:2011 EN IEC 6100-6-3:2021
 IEC 61000-6-2:2016, EN 61000-6-2:2019
 IEC 61326-1:2012 / EN 61326-1:2013
 IEC 61326-1:2020 / EN 61326-1:2021

Electrical installation:

Clamping range

0.13 - 1.5mm² (Push-in Spring clip)

Wires

w. plastic collar ferrule DIN 46228/4: 0,25 - 0.75 mm²
 w. wire end ferrule DIN 46228/1: 0,25 - 1.50 mm²
 Solid, min. H05(07) V-U 0,2 - 1.50 mm²
 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)

Dimension & Schematics:

