

USB Rangeable Pressure Transmitter NP600 Series



NOVUS NP600 product family of industrial pressure transmitters features programmable range and digital field calibration capabilities. They are offered in two pressure front-end technologies: ceramic thick film (**NP600**) and piezoresistive oil-filled (**NP620**), both with a wide range of relative pressure measurement options.

The **NP600** family of transmitters retransmission output range is user configurable from nominal to 1/3 of nominal range. Calibration parameters can be adjusted in the field or laboratory. Optional TxConfig-DIN43650 interface is used to alter factory settings.

Features

- Process connection: external thread 1/4 NPT, 1/2 NPT or 1/2 BSP
- Wetted material: stainless steel 316L, FKM (Viton©) o'ring and ceramic (only for NP600)
- Retransmission can be re-scaled to 3:1 with no accuracy loss
- Operation temperature: -20 a 70°C / -4 to 158 °F
- Output: loop powered 4-20 mA
- Electrical connection: DIN43650
- Over-pressure: 2 times nominal pressure
- Dynamic response: < 30 ms
- Power: 11-33 Vdc

NP600

- Available pressure ranges:
 - 0.2 MPa (2 bar / 29.01 Psi)
 - 0.5 MPa (5 bar / 72.52 Psi)
 - 1 MPa (10 bar / 145.04 Psi)
 - 2 MPa (20 bar / 290.08 Psi)
 - 5 MPa (50 bar / 725.19 Psi)
 - 10 MPa (100 bar / 1450.38 Psi)
- Accuracy, including hysteresis, linearity and repeatability: 0.5% of full scale (1.0% for the 100 bar / 1450.38 Psi model)
- Dimension:
 - 1/4 NPT: Ø 27 x 81.0 mm
 - 1/2 NPT: Ø 27 x 85.5 mm
 - 1/2 BSP: Ø 27 x 79.5 mm

NP620

- Available pressure ranges:
 - 0.1 MPa (1 bar / 14.50 Psi)
 - 0.4 MPa (4 bar / 58.02 Psi)
 - 1 MPa (10 bar / 145.04 Psi)
 - 4 MPa (40 bar / 580.15 Psi)
 - 10 MPa (100 bar / 1450.38 Psi)
- Accuracy, including hysteresis, linearity and repeatability: 0.25% of full scale
- Dimension:
 - 1/4 NPT: Ø 27 x 88.0 mm
 - 1/2 NPT: Ø 27 x 92.5 mm
 - 1/2 BSP: Ø 27 x 86.5 mm



Communication interface

The TxConfig-DIN43650 is a USB communication interface that allows the configuration and calibration of the **NOVUS** pressure transmitters **NP600** and **NP620**. This Interface makes the configuration procedure simple and fast. The **TxConfig** software works with this interface and can be downloaded from our website. The communication interface is sold separately.

NOVUS Automation

Phone: +1 786 235-2674 | E-mail: info@novusautomation.com

www.novusautomation.com

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