



# Relative Pressure Transmitter

NP640



UK  
CA



- Rangeability up to 1/3 of full scale
- Produced entirely in 316 Stainless Steel
- High accuracy 0.25 % F.S.
- Configuration via SigNow software and TxConfig-USB-DIN43650 interface

The rangeability of the **NP640** pressure transmitter brings versatility to the product, whose transmission ranges can be configured for up to 1/3 of full scale. Ideal for harsh environments, **NP640** has IP65 protection index, which ensures protection against water jets and dust.

Through the **TxConfig-USB-DIN43650** interface and the free **SigNow** software, it is possible to configure the ranges of the **NP640** line pressure transmitters in the unit of your preference: bar, mbar, MPa, kPa, kgf/m<sup>2</sup>, kgf/cm<sup>2</sup>, atm, mH<sub>2</sub>O, or psi. In addition, it is possible to set the status of the output in case of error (minimum or maximum), configure the reverse output (20 to 4 mA), and perform zero correction.



ACCURACY  
± 0.25 % F.S.



IP65 PROTECTION



RANGEABILITY 3:1



CONFIGURATION  
AND CALIBRATION  
VIA USB



MOBILE AND PC  
SOFTWARE  
CONFIGURATOR

## Technical Specifications

Pressure Ranges	0-1, 0-4, 0-10, 0-16, 0-25, 0-40, 0-60, 0-100, 0-160, 0-250, 0-400 bar
Transmission Rangeability	3:1
Sensor Features	Polysilicon Piezoresistive (silicone oil filled)
Wetted Parts	316 Stainless Steel
Housing Material	316 Stainless Steel
Output Signal	4 to 20 mA, according to NAMUR NE-43
Resolution	< 0.02 % F.S.
Power Supply	11 to 33 Vdc (loop-powered device) Internal protection against reversal polarity of voltage supply
Accuracy	± 0.25 % F.S.
Thermal Deviation	< ±0.05 % of the maximum range / °C

Dynamic Response	< 30 ms
Over Pressure	2 x F.S.
Process Connection	¼ NPT, ½ NPT, G ¼, ½ BSP
Electrical Connection	DIN 43650 / 175301-803 connector, form A
Operating Temperature	-20 to 70 °C (-4 to 158 °F)
Ambient Temperature	-20 to 100 °C (-4 to 212 °F)
Protection Rating	IP65
Approvals	CE, UKCA
Communication Interface	TxConfig-USB-DIN43650
Configuration	SigNow for Windows: Available at <a href="http://www.novusautomation.com/en/signow">www.novusautomation.com/en/signow</a> SigNow for Android: Available at Google Play