

# Universal Process Indicator

## N1540



**N1540** universal process indicator works at fast sampling rate, which ensures high-performance indication and response to fast varying processes. With 5 digits for high-resolution variables and the 17mm height display, **N1540** provides clear view, making it easier for operators to read and diagnose from a distance. Both electronic robustness and anti-flame material enclosure comply with the main world-class approvals for industry devices.

**EASY CONFIGURATION THROUGH USB**

**ABLE TO RETRANSMIT PROCESS VARIABLE**

**OTHER INDICATORS**



**N1540**  
34 mm

**LOWEST DEPTH IN THE MARKET**  
Only 34 mm

Compact design to better fit panels or installations with space restrictions while improving the assembly and appearance.



**DETACHABLE TERMINAL BLOCKS**

The convenience of unplugging the terminal blocks facilitates the installation, commissioning, and maintenance of the device.



<b>Display</b>	LED 7-segment, 5-digit, 17 mm height
<b>Input Type</b>	Thermocouples J, K, T, N, R, S, B, E, Pt100, 0-20 mA, 4-20 mA, 0-50 mV, 0-5 Vdc, 0-10 Vdc
<b>Accuracy</b>	Thermocouples J, K, T: 0.2% of span $\pm 1^\circ\text{C}$ Thermocouples N, R, S, B: 0.2% of span $\pm 3^\circ\text{C}$ Pt100, 0-20 mA, 4-20 mA, 0-5 Vdc, 0-10 Vdc: 0.2% of span
<b>Sampling Rate</b>	Up to 55 per second
<b>Output Resolution</b>	15 bits
<b>Analog Output</b>	0-20 mA or 4-20 mA (optional) - electrically isolated (accuracy 0.15% of span)
<b>Output Resolution</b>	12 bits
<b>Alarm</b>	Two alarms
<b>Alarm Types</b>	Minimum, maximum, minimum differential, maximum differential, differential out of range, sensor open
<b>Auxiliary Power Supply</b>	24 Vdc

<b>Optional</b>	Analog output (4-20 mA or 0-20 mA), 24 V power supply and RS485
<b>Communication</b>	RS485 Modbus RTU optional
<b>Safety</b>	Password protected configuration
<b>Configuration Interface</b>	USB type Mini B
<b>Power Supply</b>	100 to 240 Vac / cc ( $\pm 10\%$ ) or 12 to 24 Vac / 24 Vac ( $-10\%$ / $+20\%$ )
<b>Maximum Consumption</b>	6 VA
<b>Dimensions</b>	96 x 48 x 34 mm (1/8 DIN)
<b>Front Panel</b>	IP65 Polycarbonate (PC) UL94 V-2
<b>Enclosure</b>	IP30 PC UL94 V-2
<b>Operating Conditions</b>	0 to 50 °C, and 0 to 80% RH up to 30 °C
<b>Approvals</b>	CE, UL and cUL

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