



Digital Panel Meter

N1500



DESIGNED FOR
HIGH-RESOLUTION
VIEWING



- High responsiveness to process variable
- Allows visual acuity at a distance
- Timer function for safety alarms
- 30-point linearization for non-standard sensors

N1500 digital panel meter works at fast sampling rate, which ensures high-performance indication and reaction to fast processes dynamics. With 6 digits for high-resolution variables and the 17mm height display, **N1500** provides clear view, making it easier for operators to read and diagnose from a distance.

Its timer function performs wide action capabilities through

alarms for safety interlock logic. Furthermore, **N1500** is fully compatible with custom signals through its linearized input for up to 30 points.

Both electronic robustness and anti-flame material enclosure comply with the main world-class approvals for industry devices.





TIMER ALARM

Safety interlock logic



DETACHABLE FRONT PANEL

Easy commissioning



FAST SAMPLING RATE

Ideal for dynamic processes



PROTECTION AND SAFETY

Anti-flame material
UL94 V-2



CUSTOM LINEARIZATION

30-point for non-standard sensors

| | |
|-----------------------------|---|
| Display | 7-segment LED, 6-digit with 17 mm height |
| Input Type | 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, 4-20 mA no linear, 0-20 mA custom linear, 4-20 mA custom linear, 0-20 mA custom no linear, 4-20 mA custom no linear |
| Accuracy | Thermocouples J, K, T: 0.25% of span $\pm 1^\circ\text{C}$ Thermocouples N, R, S, B: 0.25% of span $\pm 3^\circ\text{C}$ Pt100, 0-20 mA, 4-20 mA, 0- 5 Vdc, 0-10 Vdc: 0.2% of the span |
| Sampling Rate | 5 samples per second for Pt100 and Thermocouples 15 samples per second for 0-50 mV, 4-20 mA, 0-5 V and 0-10 V |
| Display Resolution | Temperature: 1 / 0.1 Other measures: 1 / 0.1 / 0.01 / 0.001 / 0.0001 |
| Custom Linearization | 30 points for non-standard sensors |
| Digital Input | Operates as a key for Hold, Peak Hold and maximum/minimum reset |
| Analog Output | 0-20 mA or 4-20 mA (optional) - electrically isolated |
| Alarms | Up to 4 alarms |
| Alarm Types | Minimum, maximum, minimum differential, maximum differential, differential out of range, differential within range, and open sensor |
| Timer Function | Alarms with delay, pulse or oscillator timing |

| | |
|--------------------------------|---|
| Auxiliary Power Supply | 24 Vcc |
| Optional | 2 relays, analog output (4-20 mA or 0-20 mA), RS485 |
| Communication | RS485 Modbus RTU optional |
| Math Function | Square Root |
| Safety | Password protected configuration |
| Configuration Interface | Via RS485 |
| Power Supply | 100-240 Vac / dc or 12-24 Vdc |
| Maximum Consumption | 7.5 VA |
| Dimensions | 96 x 48 x 92 mm (1/8 DIN) |
| Front Panel | IP65 Polycarbonate (PC) UL94 V-2 |
| Enclosure | IP20 ABS + PC UL94 V-0 |
| Operating Conditions | 5 to 50 ° C, and 0 to 80% RH up to 30 ° C |
| Approvals | CE, UL and cUL |

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