Digital Panel Meter

N1500

Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

DESIGNED FOR HIGH-RESOLUTION VIEWING

UK CA · CE · c UL us · RoHS · REACH COMPLIANCE · FRONT IP65 · WARRANTY 3 YEARS WARRANTY · EXPORTED TO MORE THAN 60 COUNTRIES

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

CONFIGURABLE
QuickTune

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.

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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 ± 1 ° C Thermocouples N, R, S, B: 0.25% of span ± 3 ° 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
Aprovals	CE, UL and cUL

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