Load Cell Panel Meter

N1500-LC

Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

CONFIGURABLE QuickTune

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

DESIGNED FOR HIGH-RESOLUTION VIEWING

N1500-LC digital panel meter is the ideal tool for monitoring the analog variables of industrial processes that require an indicator for their load cells.

N1500-LC digital panel meter is quick and easy to configure via its front keyboard and is compatible with most load cell electrical signals, such as 0 to 20 mV, -20 to 20 mV, 0 to 50 mV, 0 to 20 mA, and 4 to 20 mA.

N1500-LC digital panel meter has a keyboard-programmable scale, a configurable decimal point feature, a 10 V power supply for powering the load cell, and a display that is easy to read. It's powered by a switch-mode power supply, and, in addition, the device has up to 4 alarm relays, a function for retransmitting the measured variable from 4 to 20 mA and supports RS485 digital communication with Modbus protocol.

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FAST SAMPLING RATE

Ideal for dynamic processes

TARE FUNCTION

It allows a more accurate weighing.

DESIGNED FOR LOAD CELLS

Compatible with most common signals

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	4-20 mA, 0-20 mA, 0-50 mV, 0-20 mV and –20 to 20 mV
Accuracy	0,2 % of span
Input impedance	0-50 mV >10 MΩ 0-20 mA, 4-20 mA: 15 Ω (+2 Vcc @ 20 mA)
Sampling rate	15 samples per second
Resolution	Internal Resolution: 128000 levels Display Resolution: 62000 levels
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	10 Vdc (or 5 Vdc) for powering load cells

Optional	2 relays, analog output (4-20 mA or 0-20 mA), RS485
Communication	RS485 Modbus RTU optional
Math Function	hold, peak hold, tare, zero tare and auto zero
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 cUL and UKCA

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