

195-NL32 Data Logger



195-NL32N Data Logger (shown with weather station purchased separately)



195-NL32 Data Logger in Stand-Alone Enclosure

- 8 MB Memory Standard
- 32 Bit Processor
- No Programming Required
- Ethernet Port
- Optional WiFi Connection
- RS232, RS422, RS485, USB, SDI-12
- 15 Analog Channels

The new **195-NL32 Data Logger** is a powerful unit designed for environmental monitoring applications. Rugged construction and low power requirements permit reliable operation in remote areas under harsh conditions. The unit is pre-configured for direct connection to all NovaLynx sensors and many other manufacturer's environmental sensors. Modern data capture capability includes ethernet, memory stick, or direct download to your PC. The logger is supplied in two configurations, a stand-alone enclosure and a NEMA-4X enclosure with 12Vdc battery and 100-240Vac power supply/battery charger.

The 195-NL32 is configured through a series of simple menu choices. It takes only a few minutes to set up the first time using a direct RS232 connection to a PC with any terminal program (e.g. HyperTerminal or TeraTerm) to begin logging and displaying measurements. The unit can be connected to your local area network through its integrated 10/100 Base Tx Ethernet port or optional WiFi connection. You can use the network connections to view real-time data, download logged data, and configure the unit. You can also download data to a USB flash drive.

195-NL32 Data Logger

Specifications

Environmental

Operating temperature range: -40° to +85° C

Storage temperature range: -60° to +85° C

Humidity: 0 to 90% RH

Vibration: 10-500 Hz to 2 G

Dimensions: 7-13/16" x 5-5/16" x 2"

Weight/Shipping: 2-1/2 lbs/5 lbs

Power

Voltage range: 9-35 Vdc (40 Vdc absolute maximum)

Peak current: 80 mA at 12 Vdc (all ports active)

Nominal current: 45 mA at 12 Vdc

Sleep mode current: 75 uA at 12 Vdc

Clock battery life: > 10 years for memory and clock

Input protection: Fused to 2A, reverse polarity and over-voltage protection

Analog Inputs

Voltage input channels: 16 at 14-bit resolution

Voltage input ranges: 25mV, 50mV, 100mV, 250mV, 500mV, 1V, 2.5V, 5V

Current input channels: 1 at 14-bits resolution

Current input ranges: 0.25uA, 10uA, 40uA, 100uA, 1mA

Temperature input channels: 15 at 14-bit resolution

Temperature input range: -50°C to +60°C with 10K ohm J-type thermistor

Wind speed (AC or DC pulsed): 2 channels at 1400 Hz each

Wind direction 2 channels at 10 bits resolution

Digital Inputs/Outputs

Alarm outputs 2 open collector high/low threshold outputs, 2A max

Communications Ports

RS-232/422/485 ports: 10 software configurable multi-protocol ports

Bit rates: Up to 1Mbps RS-232, 10 Mbps RS-485/422

Modem port: One RS-232 with RTS/CTS, switched modem power

USB port: One B-type USB port

Memory port: One A-type USB port, 6GB capacity

SDI-12 port: One standard compliant port

Ethernet port: 10/100 Base TX

Features

Calendar clock: Date, time, leap year, 2 time-of-day alarms

On-board data memory: 8 MB standard



195-NL32 Data Logger in NEMA Enclosure

Ordering Information

195-NL32	Data Logger in Stand-Alone Enclosure with 6' serial cable, 100-240 Vac adapter
195-NL32N	Data Logger in NEMA-4X Fiberglass Enclosure with 6' serial cable, 12 Vdc battery, 100-240 Vac battery charger, and mast mounting hardware
195-NL32SML	Display Software
195-NL32SMM	Met Manager Software
195-NL32STR	Graphical Display Software
195-NL32STR-H	HTML Option
320-600-C	Solar Panel Battery Charger, 10W with regulator and mounting hardware
395-E	Sunshield Assy for NEMA Enclosure