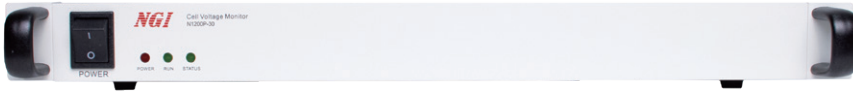


N1200P-30 Electrolyzer Voltage Monitor



Product Introduction

N1200P-30 Electrolyzer voltage monitor is specially developed by NGI for electrolyzer R&D and production. It is with compact size, high integration, high reliability and fast data transmission. N1200P-30 standalone supports up to 160 channels. More channels can be tested simultaneously under cascade mode. Voltage acquisition ranges are from -3V to +3V. Real-time voltage data of total 160 channels can be uploaded within 10ms by adopting 100M Ethernet communication.

Main Features

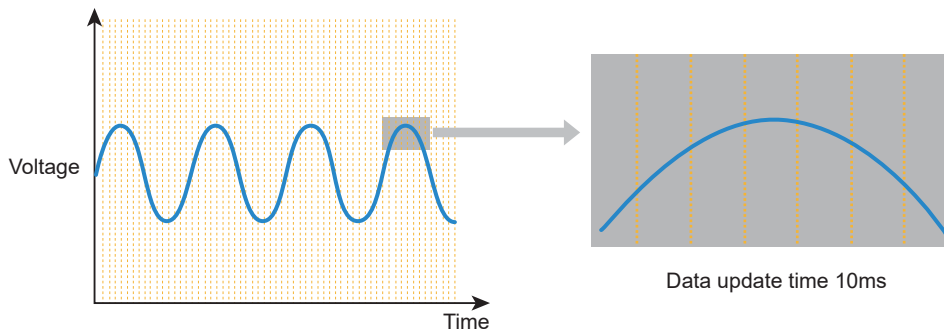
- ▶ Voltage acquisition range: -3V~+3V
- ▶ Voltage acquisition accuracy up to 1mV
- ▶ Fast data transmission, within 10ms for total 160 channels transmission
- ▶ 100M Ethernet communication
- ▶ High integration, standalone with up to 160 channels
- ▶ Easy system integration, supporting standard Modbus protocol, convenient for integration into PLC and other control systems
- ▶ Compact size, 1U height and 19 inch width for rack installation
- ▶ Voltage acquisition with 20m long cable
- ▶ AC 220V/DC 24V power supply

Standalone supporting 160 channels of voltage monitoring

N1200P-30 integrates 160 channels in a 19-inch 1U standard chassis. For more channel testing requirements, multiple sets of N1200P-30 can be used for simultaneous testing, which not only saves space for customers, but also improves convenience.

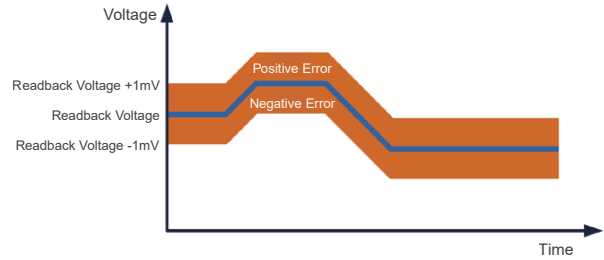
160 channels data update time 10ms

The ultra-fast sampling speed of N1200P-30 and the fast transmission speed make the time from acquisition to update of 160 channels data up to 10ms. Sampling cycle range can be set from 10ms to 1s.

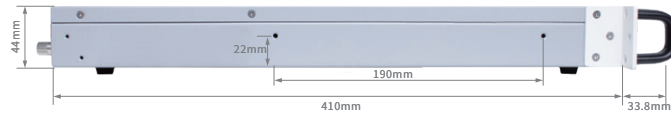
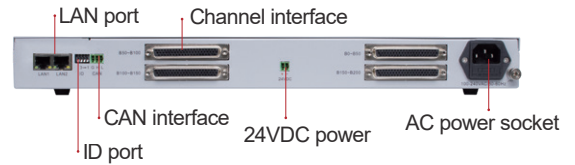
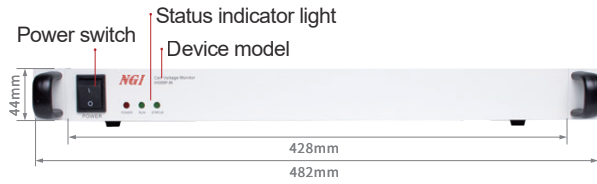


Voltage acquisition accuracy up to 1mV

N1200P-30 uses a stable detection circuit to measure the voltage with an accuracy of up to $\pm 1\text{mV}$, enabling real-time high-accuracy voltage detection. It supports operation in closed electrical cabinets at temperatures ranging from -20°C to 65°C , with a voltage accuracy of $\leq 50\text{ppm}/^{\circ}\text{C}$, and can be used in special application scenarios.



Product Dimension



Technical Data Sheet

Model	N1200P-30
Channel	160CH
Voltage Acquisition	
Range	-3V~+3V
Accuracy (23±5°C)	1mV
Resolution	0.1mV
Temperature Coefficient (0~55°C)	50ppm/°C
General	
Data Update Cycle	10ms~1s
Connector Type	DB62
Interface	LAN/CAN
Communication Protocol	Modbus protocol
AC Input	Single phase, AC220V±10% or DC 24V±10%
Inter-channel Isolation	600V
Temperature	Operating temperature:-20°C-65°C; storage temperature:-20°C~70°C
Operating Environment	Altitude : <2000m; relative humidity: 5%-90%RH(non-condensing); atmospheric pressure: 80~110kPa
Net Weight	Approx. 2.6kg
Dimension	44.0mm(H)*482.0mm(W)with handle*410.0mm(D)

Note 1: For more and latest information, please contact NGI.
 Note 2: For other specifications, please contact NGI.

Others