

NXI-6400-1000/10

DC Voltage and Current Measurement Module

Product Introduction

NXI-6400-1000/10 is a high accuracy DC voltage and current measurement module, its measurement accuracy and range are comparable to mainstream 6½ digit multimeters on the market. NXI-6400-1000/10 supports nA level micro-current measurement, it is suitable for consumer electronics, automotive electronics, semiconductors, research&education and other industries.



Application Fields



3C Consumer Electronics



Automotive Electronics



Semiconductor Components



Research&education

Main Features

- Up to 6½ bit resolution
- DCV Range: 100mV/1V/10V/100V/1000V
- DCI Range: 1μA/10μA/100μA/1mA/10mA/100mA/1A/3A/10A
- Maximum Reading Rate: 5000 readings/second
- Single module with single slot, applicable to NXI-F1000 chassis or independent use
- Support 12V DC power supply input, LAN communication for individual control
- Support Modbus-RTU, SCPI protocols

Technical Data Sheet

Model		NXI-6400-1000/10							
DC Voltage									
Range	100mV	1V	10V	100V	1000V				
1 year Accuracy ¹ TACAL ± 2°C	0.0050+0.0035	0.0035+0.0004	0.0030+0.0004	0.0040+0.0006	0.0040+0.0006				
ACAL Temperature Coefficient/°C	0.0005+0.0005	0.0005+0.0001	0.0005+0.0001	0.0005+0.0001	0.0005+0.0001				
DC Current									
Range	1μA	10μA	100μA	1mA	10mA	100mA	1A	3A	10A
1 year Accuracy TACAL ± 5°C	0.050 + 0.005	0.050 + 0.002	0.050 + 0.001	0.050 + 0.005	0.050 + 0.020	0.050 + 0.005	0.080 + 0.010	0.200 + 0.020	0.120 + 0.010
Temperature Coefficient/°C	0.0020 + 0.0010	0.0015 + 0.0006	0.0015 + 0.0004	0.0015 + 0.0005	0.0020 + 0.0020	0.0020 + 0.0005	0.0050 + 0.0010	0.0050 + 0.0020	0.0050 + 0.0010
Others									
Test Terminal	Banana Jack, 4pin								
Operating Power	12VDC±10%, <0.5A								
Communication Interface	LAN								
Temperature	Working temperature: 0°C~40°C; Storage temperature: -20°C~60°C								
Operating Environment	Altitude: <2000m; Relative humidity: 5%~90% (no condensation); Operating air pressure: 80~110kPa								
Dimensions	130.5mm (H) *20mm (W) *230.5mm (D) (with puller)								

Note 1: Accuracy index: ± (% reading + % range)

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

Note 3: For other specifications, please contact NGI.