

# Nagman 6½ Digit Precision Digital Multimeter

Model : N6579

Widely used in Electronic Testing



Front Panel



Rear Panel

## SALIENT FEATURES

- 6½ Resolution
- Equipped with a 3.5" Color Display Screen
- Resolution Ratio 320\*480
- Customizable Display Interface
- Bi-parameter Display
- Conduct Remote Operation thro' Interfaces of IEEE 488, RS-232, LAN & USB Device.
- With functions of trigger Input & Output of Measuring completion
- The front-panel menu is with USB port for data storage, procedure updating and configuration.
- Customers can update host software by themselves.
- 2 & 4 wire measurement for Resistance, 10Ω and 1GΩ Measurement Range for extension.
- Measurement of Period & Frequency, Frequency can reach to 300 kHz.
- Capacitance Measurement.
- User settable Sensor Measurement
- Maximum Current Measurement Capacity upto 12A
- Math Functions: (Maximum Value, Minimum Value And Average Value), Zero Elimination, dB, dBm & limit
- Graphic Display: Tendency Chart, Histogram, History Curve, Listing & Other Display Methods.
- Support SCPI programming language & many command sets (Agilent 34401A and Fluke 45).
- With Internal & External Calibration Functions.

## GENERAL TECHNICAL SPECIFICATIONS :

|                   |   |
|-------------------|---|
| Power Supply      | 220V AC ±10%, 45~66Hz, or 2110V AC ±10%, 45 ~ 440Hz |
| Function          | < 20 W  |
| Display           | 3.5-inch TFT LCD, resolution 48x320, color 16M      |
| Temperature range | - 5°C ~ + 45°C                                      |
| Humidity range    | 5% ~ 85% relative humidity                          |
| Interface         | RS232, USB Host, USB Device, LAN, GPIB              |
| Dimensions        | 102mm X 265 mm x 335mm (H x W x D)                  |
| Weight            | 2.7kg   |

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## TECHNICAL SPECIFICATIONS

| Model                     |                    | N6579  |
|---------------------------|--------------------|--|
| Display                   |                    | 3.5" color display (resolution 320*480)  |
| Digits                    |                    | 6½   |
| Signal Terminal           |                    | On Front Panel   |
| Maximum Measurement Speed |                    | 2500 readings per second   |
| Function Items            |                    | Uncertainty, ±(% measurement + % range)  |
| DCV                       | Uncertainty        | 0.0035+ 0.0005   |
|                           | Measuring Range    | 0 mV~1000 V  |
|                           | Maximum Resolution | 100nV  |
| ACV                       | Uncertainty        | 0.06 + 0.03  |
|                           | Measuring Range    | 1 mV~750 V   |
|                           | Maximum Resolution | 100nV  |
|                           | Frequency Range    | 3 Hz ~ 300 kHz   |
| DCI                       | Uncertainty        | 0.05 + 0.006   |
|                           | Measuring Range    | 0 uA ~ 12 A  |
|                           | Maximum Resolution | 10 pA  |
| ACI                       | Uncertainty        | 0.10 + 0.04  |
|                           | Measuring Range    | 1 uA ~ 12 A  |
|                           | Maximum Resolution | 100 pA   |
|                           | Frequency Range    | 3 Hz ~ 10 kHz  |
| Resistance                | Uncertainty        | 0.01 + 0.001   |
|                           | Measuring Range    | 0Ω ~ 1 GΩ  |
|                           | Maximum Resolution | 10 uΩ  |
| Frequency/Period          | Uncertainty        | 0.01%  |
|                           | Measuring Range    | 3 Hz ~ 1 MHz   |
|                           | Maximum Resolution | 1 uHz  |
| Capacitance               | Uncertainty        | 1 + 0.3  |
|                           | Measuring Range    | 0 nF ~ 100 mF  |
|                           | Maximum Resolution | 1 pF   |
| On- Off/Diode             |                    | Yes  |
| Proportion (DC : DC)      | Reference Range    | 100mV ~ 10 V   |
|                           | Input Range        | 100mV ~ 1000 V   |
| Temperature               | Type               | Platinum Resistance, Thermistor, Custom Sensor   |
|                           | Maximum Resolution | 0.001°C  |
| Mathematical Functions    |                    | Relative to (ax + b), Maximum / Minimum / Average, Standard Deviation, dB, dBm, Read Retention, Limit Test |
| Graphics                  |                    | Histogram, Trend Graph   |
| Interface                 |                    | RS-232, IEEE 488, LAN, USB Device, SB Host, Trig IN/OUT  |
| Programming Language      |                    | SCPI Compatible with Agilent 34401A, 34410 & Fluke 45  |
| Data Storage Capacity     |                    | 512K   |

### STANDARD INCLUSIONS

- Digital Multimeter
- Test Leads
- Instruction Manual
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025 Laboratory



Manufactured by

**NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.**

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**AN ISO 9001:2015  
CERTIFIED COMPANY**

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