

INSULATION TESTER

NAGMAN 262

SALIENT FEATURES

1. Basic measurement functions

DC voltage DCV

Measurement range: 0 ~ ±1000V

Measurement basic accuracy: 2%

AC true RMS voltage ACV

Measurement range: 30 ~ 750V (50/60Hz)

Measurement basic accuracy: 2%

2. Insulation resistance test

4 insulation test voltage ranges:

100V, 250V, 500V, 1000V

Basic accuracy: 0 ~ +20%

Insulation test range: 0.00 MΩ ~ 19.99 GΩ

Measurement basic accuracy: 5%

Short circuit current is about 1.3 mA

3. Insulation testing other features

Insulation test operating modes, including Single, continuous test

Insulation timed test

Insulation PI (polarization index) test: the ratio of the resistance value measured when the insulation excitation voltage is applied for 10 minutes to that of 1 minute

Insulation DAR (absorption ratio) test: the ratio of the resistance value measured when the insulation excitation voltage is applied for 60 seconds to that of 15 seconds

Insulation resistance and voltage monitoring test display

Insulation resistance test automatic range

Test voltage automatic discharge function

Voltage detection and alarm of the measured object

The TEST switch with lock function

Insulation comparison test, the measurement result can be evaluated by the preset "pass/fail" (✓/✗) limit and be given audio alarms accordingly.

4. Data recording / viewing function: manual recording, internal memory can independently store 100 (groups) measurement data, recorded data can be viewed on the instrument.

5. Product calibration

By connecting with the standard instrument, calibrating panel according to the procedures and saving the appropriate calibration data, the periodic calibration is completed, and the due accuracy and performance of the product are guaranteed.

6. Segment code LCD screen display, white backlight.

7. Easy man-machine operation, portable, solid and suitable for field use.

GENERAL SPECIFICATIONS

Insulation Resistance Measurement (RISO)

Rated voltage	100V	250V	500V	1000V
Measurement range	0.00MΩ ~ 19.99MΩ	0.00MΩ ~ 19.99MΩ	0.00MΩ ~ 19.99MΩ	0.00MΩ ~ 19.99MΩ
	20.0MΩ ~ 199.9MΩ	20.0MΩ ~ 199.9MΩ	20.0MΩ ~ 199.9MΩ	20.0MΩ ~ 199.9MΩ
		200MΩ ~ 499MΩ	200MΩ ~ 999MΩ	200MΩ ~ 1999MΩ
Open circuit voltage	DC 100V + 20%, -0%			2.00GΩ ~ 19.99GΩ
Drop resistance	80KΩ			



Typical Photo: Final Product look may vary

Insulation test automatic discharge time: when capacitor C = 1μF or less, discharge time <1 second. Insulation test alive circuit test: if the terminal voltage is greater than 30 V before the test is initialized, the alarm will be activated to prohibit the test. Insulation test maximum capacitive load : operative below 1μF.

Voltage Monitoring Display (Insulation Resistance Measurement)

Measurement function	Measurement range	Resolution	Accuracy
DC Voltage DCV	0 ~ 1000V	1V	2% + 3

Voltage test

Measurement function	DC voltage DCV	AC RMS voltage ACV
Measurement range	0 ~ ±1000V	30 ~ 750V Frequency band:45Hz ~ 200Hz
Resolution	1V	
Accuracy	2%+3	

GENERAL CHARACTERISTICS

Operating temperature and humidity	0 to 40°C (non-condensing ≤10°C), ≤85%RH
Storage temperature and humidity	-20°C to 60°C, ≤90%RH
Working altitude	≤2000m (Indoor use)
Rated transient overvoltage	6K (1.2*50us) I, II, III measure peak value
Withstand voltage	AC8320V(50/60Hz)/5 seconds (between the circuit and the outer box)
Insulation impedance	1000MΩ or greater/DC1000V (between the circuit and the outer box)
Vibration and shock	Randomness 2g, 5 to 500Hz; 1m drop test
Power supply	8 x 1.5 V AA alkaline batteries.
Automatic shutdown operation	Automatic shutdown time 0 ~ 90 minutes can be set
Size and weight	178 × 110 × 59 (mm), about 600g (including batteries)

STANDARD INCLUSIONS

- Basic Instrument with Battery
- Test meter probe (including alligator clip) -1
- 1.5V Alkaline Battery - 8 Nos.
- Handle Rope
- Carrying Case
- Conformance Certificate
- Instruction Manual

OPTIONAL

- 15V Power Adapter
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.



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