

Clamp on Ground Resistance

NP 81



NP 82



NEWPATH
TECHNOLOGIES

NP 81 - NP 82

Earth Clamp

NP 81 & NP 82 series of Clamp-on Ground Tester are a major breakthrough in traditional grounding resistance measurements. They are widely used for grounding resistance measurements in numerous fields such as power, telecommunications, metrology, oil fields, constructions, and industrial and electrical equipments.

NP 81 & NP 82 series of Clamp-on Ground Tester have capabilities of measuring out faults that are beyond the reach of traditional methods and can also be applied in the occasions which are not applicable in traditional methods.

NP 81 & NP 82 series of Clamp-on Ground Tester can also measure the integrated values of both the grounding body resistance and the grounding lead resistance.



General Features

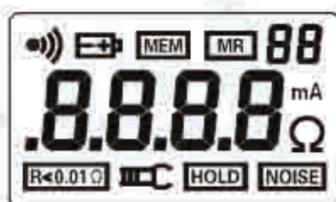
- Liquid Crystal Display (LCD)
- Trigger: to control opening and closing of jaw:
Clamp-on Jaw: NP 82: 65 x 32mm; NP 81: Φ 32mm;
- POWER Key: Boot Up / Shutdown / Quit
- HOLD Key: Lock / Release display
- MODE Key: Switch key of function mode (resistance measurement / current measurement / data access)
- SET Key: Function key combinations (Combination with MODE key to achieve: Lock / Release / Storage / Set / Check / Browse / Delete Data)

Mode	Range	Resolution	Accuracy
Resistance	0.0010-0.099 Ω	0.001 Ω	\pm (1% + 0.01 Ω)
	0.10-0.99 Ω	0.01 Ω	\pm (1% + 0.01 Ω)
	1.0-9.9 Ω	0.01 Ω	\pm (1.5% + 0.01 Ω)
	50.0-99.5 Ω	0.5 Ω	\pm (2% + 0.5 Ω)
	100-199 Ω	1 Ω	\pm (3% + 1 Ω)
	200-395 Ω	5 Ω	\pm (6% + 5 Ω)
	400-590 Ω	10 Ω	\pm (10% + 10 Ω)
Current	600-1000 Ω	20 Ω	\pm (20% + 20 Ω)
	0.00-299 mA	1 mA	\pm (2.5% + 2 mA)
	0.30-2.99 A	10 mA	\pm (2.5% + 10 mA)
	3.00-30.0 A	10 mA	\pm (2.5% + 20 mA)

Newpath Technologies Co Ltd reserves the rights to change the specifications without prior notice

Technical Specifications

- Power Source: 6VDC (4 x Alkaline battery)
- Working Temperature: -10° - 55° C
- Relative Humidity: 10% - 90%
- LCD: Digital LCD, 47 x 28.5 mm
- Span of Jaw: 28mm for a long jaw; 32mm for a round jaw;
- Meter Weight (including batteries): 1320g for NP 82; 1120g for NP 81
- Dimensions:
NP 82: 293 mm (L) x 90 mm (W) x 66 mm (T)
NP 81: 260 mm (L) x 90 mm (W) x 66 mm (T)
- Protection Level: Double insulation
- Structural Feature: In the jaw
- Range Shift: Automatic
- External Magnetic Field: 40A/m
- External Electric Field: 1V/m
- Single Measuring Time: 1 second
- Measurement Resistance Frequency: 1KHz
- Maximum Resistance Measurement Resolution: 0.001 Ω
- Resistance Measurement Range: 0.01-1000 Ω
- Current Measurement Range: 0.00 - 30.0 A
- Current Measurement Frequency: 45 - 65Hz
- Storable Measurement Data: 50 Units
- Setting Range of Resistance Alarm Critical Value: 1-199 Ω
- Setting Range of Current Alarm Critical Value: 1-499 mA



- Alarm
- Low battery indicator
- Full data storage indicator
- Data access indicator
- 2-Digits number of Data Storage Unit
- Indicator of resistance less than 0.01 Ω
- Current unit
- Noise signal
- Data lock indicator
- Open jaw indicator
- Resistance unit
- 4-digits LCD figures display with decimal points



NP 81 NP 82



NEWPATH TECHNOLOGIES CO. LTD
 USA : 1133 Broadway, Ste 706, New York, NY 10010, USA
 Hongkong : Central Tower 20 Flr, 28 Queen's Road, Central, HK
 E-mail: info@newpathtechnologies.com, Website: www.newpathtechnologies.com