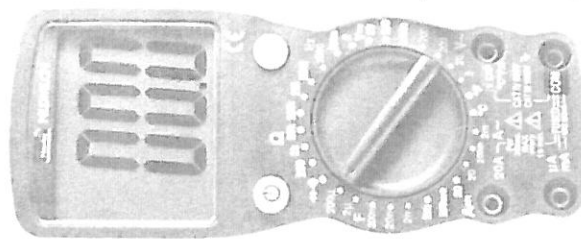




operating manual

NLDM1CN



EN  
61010-1  
CAT III  
1000V





The instrument complies with: EN61010-1.

Insulation: Class2, Double insulation

Overvoltage category: CATIII - 1000V

Display:

2000 counts LCD display with function indication

Polarity: Automatic, (-) negative polarity indication

Over range: "OL" mark indication.

Low battery indication: The "E ±" is displayed when the battery voltage drops below the operating level

Auto power off: Meter automatically shuts down after approx. 10 minutes of inactivity

Measurement rate: 2 times per second, nominal

Operating environment:

0 °C to 50 °C (32 °F to 122 °F) at < 70 % relative humidity

Storage temperature:

-20 °C to 60 °C (-4 °F to 140 °F) at < 80 % relative humidity

For inside use, max height: 2000m.

Pollution degree: 2

Power: One 9V battery, NEDA 1604, IEC 6F22, PP3

Dimensions: 182 (H) x 82 (W) x 55 (D) mm

Weight: Approx.: 360g

Accuracy is given at 18 °C to 28 °C (65 °F to 83 °F), less than 70 % RH

### DC Voltage

200.0mV	01mV	-0.5% of rdg ± 2 dgts
2.000V	1mV	
20.00V	10mV	
200.0V	100mV	
1000V	1V	+0.8% of rdg ± 2 dgts.

Input Impedance: 10MΩ

200mV range Maximum Input: 250V dc or 250V ac rms

Maximum Input: 1000V dc or 700V ac rms

### AC Voltage

200.0mV	01mV	-10% of rdg ± 5 dgts
2.000V	1mV	+10% of rdg ± 3 dgts
20.00V	10mV	
200.0V	100mV	
700V	1V	±12% of rdg ± 5 dgts

Input Impedance: 10MΩ

Frequency Range: 50 to 400Hz

Maximum Input: 1000V dc or 700V ac rms

### DC Current

2.000mA	1µA	-10% of rdg ± 3 dgts
20.00mA	10µA	+15% of rdg ± 3 dgts
200.0mA	100µA	
2.000A	10mA	+2.5% of rdg ± 10 dgts

Overload Protection: 0.2A / 250V and 20A / 250V Fuse

Maximum Input: 200mA dc or 200mA ac rms on mA ranges.

20A dc or ac rms on 20A range



### AC Current

2000mA	1uA	±12 % of rdg + 3 dgts
2000mA	100uA	±20 % of rdg + 3 dgts
2000mA	100mA	±3 % of rdg + 10 dgts
2000A	10mA	±2.5 % of rdg + 10 dgts

Overload Protection: 0.2A / 250V and 20A / 250V Fuse

Frequency Range: 50 to 400 Hz

Maximum Input: 200mA dc or 200mA ac rms on mA ranges.

20A dc or ac rms on 20A range

### Resistance

200.0Ω	01Ω	±10 % of rdg + 4 dgts
2000kΩ	1Ω	±10 % of rdg + 2 dgts
2000kΩ	10Ω	±12 % of rdg + 2 dgts
2000kΩ	100Ω	
2000MΩ	1kΩ	
2000MΩ	10kΩ	±20 % of rdg + 5 dgts
2000MΩ	10kΩ	±50 % of rdg + 10 dgts

Input Protection: 250V dc or 250V ac rms

### Capacitance

200nF	1pF	±40 % of rdg + 70 dgts
2000mF	10pF	±40 % of rdg + 3 dgts
2000nF	0.1nF	
2000uF	1nF	±40 % of rdg + 3 dgts
2000uF	0.1uF	≤20uF ±40 % of rdg + 15 dgts
		≤21uF unspecified

Input Protection: 250V dc or 250V ac rms

### Diode Test

Test current: 1mA typical

Open circuit voltage: 2.8V dc typical

Overload protection: 250V dc or ac rms

### Audible continuity

Audible threshold: Less than 50Ω.

Test current <0.3mA

Overload protection: 250V dc or ac rms.