

## NI 407PLUS

Art.number: 626005059



## CAT IV multimeter with insulation & earth bound test

The sturdy and waterproof (IP67) NI 407PLUS is a True RMS multimeter with built-in insulation resistance and earth bound tester. Allows the insulation resistance to be measured with 5 different test voltages for measuring up to 5 GΩ. The meter can measure the earth bound with 200 mA according the applicable EN 61557-4 standard.

The NI 407PLUS includes useful extras such as duty cycle measurements and milliamp readings for analogue 4-20 mA current loops in industrial process monitoring.

The temperature measurement, a clear display with backlight and memory, make this meter perfectly useful for installation engineers. The meter makes it easy to perform required safety checks.



### Features

- True RMS
- Insulation resistance with 50/100/250/500/1000 V
- Earth bound with 200 mA
- Automatic AC/DC detection
- Current measurement up to 20 A (AC/DC)
- Resistance
- Frequency
- Capacitance
- Diode / continuity test
- IP 67 (waterproof)
- Peak hold
- Min-max hold
- Auto power off
- Memory
- Large LCD with clear backlight



### Specifications

#### Functions

Functions	Range	Resolution	Accuracy
Voltage	1000 VAC 1000 VDC	0.1 V 0.1 V	± 1.0 % + 30d ± 0.06 % + 4d
Current	10 AAC 10 ADC	0.001 A 0.001 A	± 1.5 % + 30d ± 1.0 % + 3d
Resistance	50 MΩ	0.0001 MΩ	± 0.3 % + 4d
Earth bound (200 mA)	500 Ω	0.01 Ω	± 1.0 % + 20d
Frequency	50 MHz	0.01 MHz	± 0.1 % + 1d
Capacity	50 nF	0.001 nF	± 3.5 % + 10d
Duty cycle	0.1...99.9 %	0.01 %	± 1.2 % + 2d
Temperature	-50 °C...+1200 °C	°C	± 1.0 % + 2.5 °C
4-20 mA %	-25...125 %	0.01 %	± 50d
Insulation	0.1...5000 MΩ	0.001 MΩ	± 2.0 % + 10d

#### General

Display resolution	50.000d
IP protection	IP 67
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standard	EN 61010-1, EN 61557-2, EN 61557-4
Supply	6x 1.5 V AAA batteries
Dimensions	220 x 96.5 x 60.5 mm
Weight	631 g
Including	Test lead with alligator clamp, heavy duty test leads, 2 blind plugs, type K thermo couple, carry case, batteries, manual

