

NI 405^{PLUS}

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Waterproof CAT IV multimeter with insulation measurement

The sturdy and waterproof (IP67) NI 405^{PLUS} is a True RMS multimeter with built-in insulation resistance tester. Insulation resistance measurement can be measured with 4 different test voltages and can go up to 4 GΩ.

The NI 405^{PLUS} 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 100 /250/500/1000 V
- 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

	Range	Resolutie	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	40 MΩ	0.0001 MΩ	± 0.3 % + 4d
Frequency	40 MHz	0.01 MHz	± 0.1 % + 1d
Capacity			
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...4000 MΩ	0.001 MΩ	± 2.0 % + 10d

General

Display resolution	40.000d
Protectieklasse	IP 67
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standards	EN 61010-1, EN 61557-6
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, batteries, manual

