

Test &  
Measuring  
Equipment

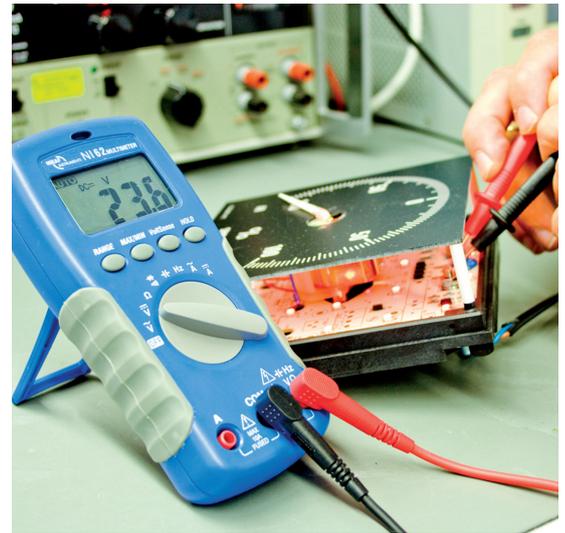
# Multimeters

# Multimeters

## General

Since its invention, the multimeter is a vital instrument for its users and has been developed logically from analogue indicator to an accurate (digital) measuring instrument with many functions.

Many integrated functions make these versatile meters suitable for different markets and users. The instruments for instance can be used for measuring electronics, electrical installations, machinery, appliances etc.



## Portfolio



**EazyMM**



**NI 64**



**NI 74**



**NI 99PLUS**



**NI 405PLUS**

Display resolution	5000d	40.000d	2.000d	6000d	40.000d
Voltage AC	•	•	•	•	•
Voltage DC	•	•	•	•	•
Resistance	•	•	•	•	•
Current AC		•	•	•	•
Current DC		•	•	•	•
True RMS			•	•	•
Continuity	•		•	•	•
Frequency	•	•	•	•	•
Capacity	•	•	•	•	•
Diode test	•	•	•	•	•
Temperature			•	•	•
Insulation resolution					•
Low impedance (Loz)				•	
Bluetooth				•	
Peak hold				•	•
Data hold	•	•	•	•	•
Min-max hold			•	•	•
Backlight		•	•	•	•
Auto power-off	•	•	•	•	•
Stand		•	•	•	•
Analoge bargraph			•	•	•
Supply	2x 1.5 V	1x 9 V	1x 9 V	4x 1.5 V	6x 1.5 V
Weight	115 g	255 g	342 g	418 g	631 g
Overvoltage category	CAT III 300 V	CAT IV 600 V			
Art.no.	626005039	626005056	626005055	626005058	626005052



**Multimeter**

Topclass, pocket size functional digital multimeter. Due to its format its ideal to be used everywhere.

**Features**

- AC/DC voltage
- Resistance
- Diode test
- Continuity
- Capacitance
- Frequency
- Data hold
- Auto ranging
- 1 meter drop proof
- Large LCD display



**Specifications**

**Functions**

	Range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 0.9\% + 5d$ $\pm 0.7\% + 2d$
Resistance	40 M $\Omega$	$\pm 0.5\% + 5d$
Frequency	5 MHz	$\pm 0.3\% + 5d$
Capacity	100 $\mu$ F	$\pm 2.9\% + 5d$

**General**

Display resolution	5000d
Drop proof	1 m
Overvoltage category	CAT II 600 V / CAT III 300 V
Standard	EN 61010-1
Supply	2x 1.5 V LR44 batteries
Dimensions	112 x 56 x 12 mm
Weight	115 g
Including	Test leads, protection shell, batteries, manual



## NI 64



Art.number: 626005056

## Compact digital multimeter

The NI 64 digital multimeter is a user friendly, compact multimeter with backlight. The multimeter is easy to use by the automatic range selection.

The NI 64 is able to measure AC/DC voltage, current up to 10 AAC/DC, resistance, capacity, continuity and has a diode test.



### Features

- AC/DC voltage up to 600 V
- AC/DC current up to 10 A
- Resistance, capacity and frequency measurement
- Continuity - /diode test
- Duty cycle
- LCD with backlight



### Specifications

#### Functions

	Range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 1.5\% + 3d$ $\pm 1.2\% + 2d$
Current	10 AAC 10 ADC	$\pm 3.0\% + 5d$ $\pm 0.1\% + 3d$
Resistance	60 M $\Omega$	$\pm 1.2\% + 2d$
Frequency	10 MHz	$\pm 1.2\% + 3d$
Capacity	100 $\mu$ F	$\pm 3.0\% + 5d$

#### General

Display resolution	40.000d
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	150 x 70 x 48 mm
Weight	255 g (incl. battery)
Including	Test leads, bag, batteries, manual





## True RMS digital multimeter

The NI 74 is a compact True RMS multimeter with a wide range of possibilities. This makes the NI 74 a perfect meter for users who want that extra like measuring temperature.

The NI 74 is protected against water (IP67).

### Features

- True RMS
- AC/DC voltage up to 1000 V
- AC/DC current up to 10 A (20 A for 30 s)
- Temperature up to 760 °C
- Resistance, capacity and frequency measurement
- Continuity- / diode test
- Dust and water protected (IP67)
- Min–max hold
- Duty cycle
- LCD backlight



### Specifications

#### Functions

Functions	Range	Accuracy
Voltage	1000 VAC 1000 VDC	± 0.8 % + 4d ± 0.1 % + 2d
Current	10 AAC 10 ADC	± 0.8 % + 3d ± 0.1 % + 3d
Resistance	60 MΩ	± 0.5 % + 2d
Frequency	10 MHz	± 1.2 % + 3d
Capacity	4000 μF	± 3.0 % + 5d
Temperature	760 °C	± 3.0 % + 5d

#### General

Display resolution	2000d
IP protection	IP 67
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	170 x 79 x 50 mm
Weight	342 g (incl. battery)
Including	Test leads, type K thermo couple, bag, battery, manual





## NI 99PLUS



Art.number: 626005058



## True RMS multimeter with Bluetooth

The NI 99<sup>PLUS</sup> is an industrial True RMS multimeter with extensive possibilities. Besides all standard multimeter functions and a temperature measurement, the NI 99<sup>PLUS</sup> has some interesting extra functions. For example, there is a LoZ function to suppress ghost voltages.

For poorly lit situations, the meter is equipped with a torch function at the front, which will automatically light up all buttons and the display in the dark.

Via Bluetooth, the measurements can be viewed remotely and logged via a free app.

### Features

- True RMS
- AC/DC voltage up to 1000 V
- AC/DC current up to 10 A
- Temperature up to 760 °C
- Resistance, capacity and frequency measurement
- Continuity- / diode test
- Dust and water proof by IP 67 protection
- LoZ mode for ghost voltage suppression
- Front torch function
- Automatically illuminated display and measurement selection
- Bluetooth connection with data logging app



### Specifications

#### Functions

	Range	Accuracy
Voltage	1000 VAC 1000 VDC	± 1.0 % + 5d ± 0.5 % + 8d
Current	10 AAC 10 ADC	± 1.0 % + 3d ± 1.0 % + 3d
Frequency	10 kHz	± 0.1 % + 3d
Resistance	60 MΩ	± 1.5 % + 5d
Capacity	6000 μF	± 3.0 % + 5d
Temperature	760 °C	± 1.0 % + 5d

#### General

Display resolution	6000d
IP protection	IP 67
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standard	EN 61010-1
Supply	4x 1.5 V AAA batteries
Dimensions	170 x 74 x 48 mm
Weight	418 g
Including	Test leads, type K thermo couple, bag, batteries, manual



## NI 405<sup>PLUS</sup>

Art.number: 626005050



## Waterproof CAT IV multimeter with insulation measurement

The sturdy and waterproof (IP67) NI 405<sup>PLUS</sup> 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<sup>PLUS</sup> 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	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	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
IP protection	IP 67
Overvoltage category	CAT III 1000 V / CAT IV 600 V
Standard	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





## Accessoires

 <p><b>Bag BT7</b></p> <p>Art. number: 626006016</p>	 <p><b>Hanging kit</b></p> <p>Art. number: 626005026</p>	 <p><b>Thermo couple type K</b></p> <p>Art. number: 626006007</p>	
 <p><b>Test lead</b> with 2 mm probe</p> <p>Art. numbers: 626006000 (red) 626006001 (black)</p>	 <p><b>Test lead</b> 1.5 m stackable</p> <p>Art. numbers: 560410033 (red) 560410034 (black)</p>	 <p><b>Alligator clamp</b> 2 mm</p> <p>Art. numbers: 626006002 (red) 626006003 (black)</p>	 <p><b>Test lead kit</b> Test leads, test probes, probe clips</p> <p>Art. number: 560410070</p>



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**Sales offices & factories:**

Mors Smitt Asia Ltd.  
26/F, Casey Aberdeen House  
38 Heung Yip Road,  
Wong Chuk Hang, Hong Kong  
Tel: +852 2343 5555  
sales.msa@wabtec.com

Mors Smitt France SAS  
2 Rue de la Mandinière  
72300 Sablé-sur-Sarthe, France  
Tel: +33 (0) 243 92 82 00  
sales.msf@wabtec.com

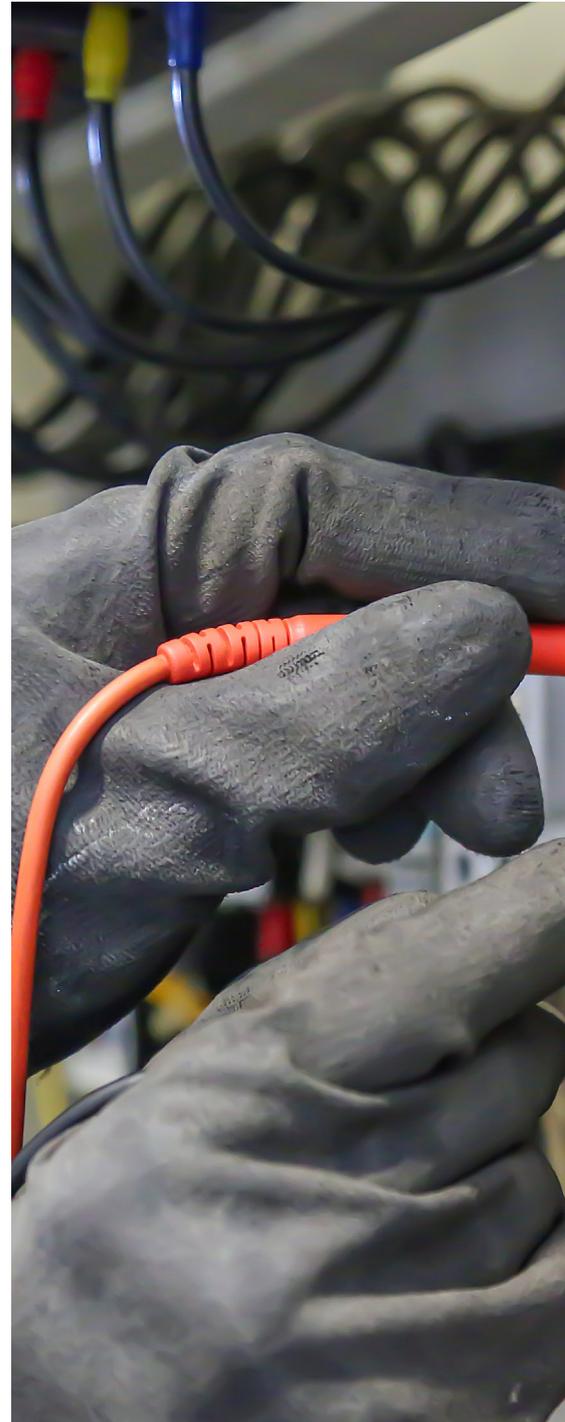
Mors Smitt Technologies Ltd.  
1010 Johnson Drive  
Buffalo Grove, IL 60089-6918, USA  
Tel: +1 847 777 6497  
salesmst@wabtec.com

Mors Smitt UK Ltd.  
Graycar Business Park  
Burton on Trent  
DE13 8 EN, UK  
Tel: +44 (0)1283 357 263  
sales.msuk@wabtec.com

RMS Mors Smitt  
19 Southern Court  
Keysborough, VIC 3173, Australia  
Tel: +61 (0)3 8544 1200  
sales.rms@wabtec.com

Wabtec Netherlands B.V.  
Darwinstraat 10  
6718 XR Ede, Netherlands  
Tel: +31 (0)88 600 4500  
sales.msbv@wabtec.com

[www.morssmitt.com](http://www.morssmitt.com)



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