

VOLTMASTER®

Customized measurement technology



TESTBOY PRESENTS:

VOLTMASTER

Customized measurement technology

The brand Voltmaster has been founded in year 2015. Meaning and purpose of this extensive evolution, which was developed in the house of Testboy, was to close a pertinent space.

On the one hand, user-friendly measuring and testing devices for electrical installation and electrotechnical service operations should be manufactured and on the other hand a competitive price.

Also at the traditional company Testboy, the focus is on the development of the latest manufacturing techniques. The Key point is the guiding principle "safety through quality".

Of course technical production also includes an ergonomic design. If it fits the hand well, it is also used with pleasure. Practice-oriented functionality, handiness and ease of use are cleverly combined into the measurement and testing devices.

Devices to measure the many physical quantities with, can be found at Voltmaster. Voltmaster measurement technology is used to measure electrical voltage or current and is indispensable for electricians and electrical engineering professionals in their everyday work.

Voltmaster is customized measurement technology.

VOLTMASTER

NCV 1 & NCV 2

Non-contact voltage tester CAT III 1000 V

The non-contact voltage testers NCV 1 and NCV 2 detect live conductors from cable connections, cable drums, sockets, switches, junction boxes etc. Because of a capacitive measuring method, they do not require current flow and can display interruptions quickly within a centimeter accuracy. The NCV 2 already detects live conductors from 12V AC, including low-voltage systems.

YOUR BENEFITS:

	NCV 1	NCV 2
// Recognizing alternating voltages without current flow	Yes	Yes
// Finding cable breaks and defective fuses	Yes	Yes
// Checking defective switches, sockets, junction boxes, transformers, for example low-voltage lighting systems and fairy lights	Yes	Yes
// Detection of phase conductors in single-phase and three-phase networks	Yes	Yes
// Detects live cables in distribution boxes	Yes	Yes
// Optical and acoustical indication	Yes	Yes
// LED-flashlight-function	No	Yes
// Integrated buzzer	No	Yes
// Housing made of impact-resistant and break-proof plastic	Yes	Yes
// Voltage range V AC	110-1000	12-1000



THE SPECIFICATIONS

	NCV 1	NCV 2
Indication	Optical + acoustic	Optical + acoustic
Measuring range	110 - 1000 V AC	12 - 1000 V AC
Integrated LED torch light	No	Yes
Overvoltage category	CAT III 1000 V	CAT III 1000 V
Standard	EN 61010- 1:2010	EN 61010- 1:2010
Housing	ABS synthetic material, resistant to breaking by impact	ABS synthetic material, resistant to breaking by impact
Dimensions	142 x 26 mm	145 x 25 mm
Weight	22 g	45 g
Power supply	2 x 1,5 V AAA Micro, LR03	2 x 1,5 V AAA Micro, LR03
Color	Grey	Grey

VOLTMASTER

TVT 1

Two-pole voltage tester CAT III 600 V

Reliable and user-friendly, that's the Voltmaster TVT1. Because of its practical design, the TVT1 has good ergonomics and is easy to use. This guarantees a long operational readiness. The voltage tester reliably shows DC and AC voltages in the range from 12 to 690 V. The electronics also enable the phase search against the protective conductor.

YOUR BENEFITS:

- // Optical display with 8 LED's
- // Power is supplied via the target
- // Phase search against the protective conductor
- // Easy to use



THE SPECIFICATIONS

	TVT 1
Indication	Optical, 8 LEDs
Voltage range	12 - 690 V AC/DC
Over-voltage category	CAT III 600 V
Polarity	Yes (+,- LED)
Standard	EN 61243-3:2014
Housing	impact-resistant and break-proof
Dimensions	210 x 57 x 25 mm
Weight	120 g
Voltage supply	Via test object
Colour	grey/black

VOLTMASTER

DMM 1

Digital Multimeter CAT III 600 V

The versatile digital multimeter DMM 1 has all functions for universal use in the areas of electrical installation, service and industry. It is practical and safe to use, delivers reliably precise measurement results and has all standard functions as well as the option of measuring ionization currents.

YOUR BENEFITS:

// AC and DC Voltage up to 600 V	// CAT III 600 V
// AC and DC current up to 10 A	// Capacitance measurement up to 60 mF
// Resistance up to 60 MOhm	// Auto-Power-Off
// Diode test	// Background lighting
// Continuity test with acoustical signal under 50 Ohm	// Data-Hold-Function
// Temperature from -20°C up to 1000°C	// True RMS
// Frequency from 10 Hz up to 10 MHz	



THE SPECIFICATIONS

DMM 1			
Indication	40 mm large, illuminated LCD		
DC voltage	600mV, 6V, 60V 600V	±0,7%, ±0,7%	± 2 Digits ± 2 Digits
AC voltage	600mV, 6V, 60V 600V	±0,8%, ±0,8%	± 3 Digits ± 3 Digits
DC current	600 µA, 6000 µA 60mA, 600 mA 10A	±1,2%, ±1,2%, ±2,0%	± 3 Digits ± 3 Digits ± 10 Digits
AC current	600 µA, 6000 µA 60mA, 600 mA 10A	±1,2%, ±1,5%, ±3,0%	± 3 Digits ± 3 Digits ± 10 Digits
Resistance	600 Ω 6 kΩ, 60 kΩ, 600 kΩ, 6MΩ 60 MΩ	±1,2%, ±1,2%, ±2,0%	± 5 Digits ± 5 Digits ± 10 Digits
Capacitance measurement	60nF, 600 nF 6 µF, 60 µF, 600 µF, 6MF 60 MF	±4,0%, ±4,0%, ±4,0%	± 3 Digits ± 3 Digits ± 3 Digits
Diode test	Yes		
Continuity test	Yes		
Temperature measurement	- 20 - 1000 °C with K-Type-Probe		
Maximum input voltage	600 V AC/DC		
Input impedance	> 7,5 MΩ , typ 10 MΩ (AC & DC)		
AC V bandwidth	50-400 Hz		
Frequency measuring range	10 Hz - 10 MHz		
Data-Hold-Function	Yes		
Fuses	600 mA (self-reseting), 10 A/690 V (fast-acting)		
Operating temperature	0-40°C (32-104 °F)		
Storage temperature	-10-50°C (14-122 °F)		
Überspannungskategorie	CAT III 600 V		
Norm	IEC/EN 61010-1; IEC/EN 61010-2-033		
Abmessungen	183 x 95 x 50 mm		
Gewicht	410 g incl. batteries		
Spannungsversorgung	2 x 1,5 V AA		

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DCM 1

Digital Clampmeter CAT III 600 V

Given it's many measuring functions and its considerable flexibility, the clamp meter DCM 1 can be used universally. Useful details such as the large LC display with backlighting, the True RMS measurement, the automatic range selection and the measuring point lighting make operation particularly practical and safe.

YOUR BENEFITS:

// DC current up to 600 A	// Diode test
// AC current up to 600 A, T-RMS	// Automatical measuring range selection
// Min- or Max value measurement up to 600 V	// Integrated Measuring point lighting
// Resistance up to 60 MOhm	// CAT III 600 V
// Frequency measurement 10 Hz up to 1 MH	
// Capacitance measurement up to 6 mF	
// Acoustical continuity test	



THE SPECIFICATIONS

	DCM 1		
Indication	LCD		
AC current TRMS (40 - 400Hz)	60 A 600A	±2,5%, ±2,5%	± 8 Digits ± 5 Digits
DC current	60A 600A	±2,5%, ±2,5%	± 8 Digits ± 8 Digits
AC voltage TRMS (40 - 400Hz)	6V 60V 600V	±1,0%, ±1,2%	± 8 Digits ± 8 Digits
DC voltage	600mV, 6V, 60V 600V	±0,5%, ±0,8%	± 5 Digits ± 5 Digits
Resistance	600 Ω, 6 kΩ, 60 kΩ, 600 kΩ, 6MΩ 60 MΩ	±1,0%, ±1,0%	± 8 Digits ± 10 Digits
Capacitance measurement	up to 6 mF	±3,0%	± 5 Digits
Duty cycle	10 - 95%	±3,0%	± 5 Digits
Input resistance	10 MΩ		
Diode test	Yes		
Continuity test	Yes, audible signal if resistance < 50 Ω		
Ranging	Automatic and manual		
Measurement position lighting	LED		
Data-Hold-Function	Yes		
Overvoltage Category	CAT III 600 V		
Standard	EN 61010-01:2010; EN 61010-2-032:2012		
Dimensions	218 x 78 x 37 mm		
Weight	259 g		
Color	grey/black		
Power supply	3 x 1,5 V AAA, LR03		

VOLTMASTER

MCM 1

Digital Miniature Clamp Meter CAT III 600 V

Small but effective. The digital miniature clamp meter Voltmaster MCM 1 delivers exact measurement results even in hard-to-reach places. The clamp meter can be used wherever the hand goes. In addition, despite its compact design, it convinces with useful functions such as data hold or auto-power-off.

YOUR BENEFITS:

- // DC current up to 100 A
- // AC current up to 200 A
- // AC and DC voltage up to 600 V
- // Resistance up to 6 kOhm
- // Frequency measurement 40 Hz up to 1 KHz
- // Acoustical continuity test
- // Automatical measuring range selection
- // Data-Hold-Function
- // CAT III 600 V



THE SPECIFICATIONS

	MCM 1		
Indication	LCD		
DC voltage	0 - 600 V	±0,5%	± 5 Digits
AC voltage (40 - 400 Hz)	0 - 600 V	±1,0%	± 5 Digits
DC current	6 A, 60 A, 100 A	±3,0%	± 8 Digits
AC current (45 - 65 Hz)	6 A, 60 A, 200 A	±2,5%	± 8 Digits
Frequency measurement	40 Hz to 1000 Hz	±1,0 %	±5 Digits
Resistance	0 - 6 Ω	±1,0%	± 5 Digits
Diode test	Yes		
Continuity test	Yes, with audible signal if resistance < 30 Ω		
Ranging	Automatic and manual		
Data-Hold-Function	Yes		
Overvoltage category	CAT III 600 V		
Standard	EN 61010-01:2010; EN 61010-2-032:2012		
Dimensions	158 x 53 x 28 mm		
Weight	150 g		
Color	grey / black		
Power supply	2 x 1,5 V AAA, LR03		

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FCM 1

Digital Fork Clampmeter CAT III 600V

Thanks to its many measuring functions, the Voltmaster FCM1 digital fork clamp meter can be used universally. Useful details such as the large display, manual or automatic measuring range selection and the measuring point lighting make operation particularly convenient and safe.

YOUR BENEFITS:

// Functionality

// Big LC-Display

// LED-Measurement point lighting with white LED

// T-RMS measurement method for
non-sinusoidal voltages

// DC Current up to 200 A

// AC Current up to 200 A

// DC Voltage up to 750 V

// AC Voltage up 1000 V

// Resistance up to 60 M Ω

// Acoustical continuity test

// Non-contact voltage tester

THE SPECIFICATIONS



FCM 1	
Indication	LCD
AC current TRMS	200 A $\pm 2,5\%$ ± 5 Digits
DC current	200 A $\pm 2,5\%$ ± 5 Digits
AC Voltage TRMS (45 - 450Hz)	6 V, 60 V, 600 V $\pm 1,2\%$ ± 5 Digits 750 V $\pm 1,5\%$ ± 5 Digits
DC Voltage	6 V, 60 V, 600 V $\pm 0,8\%$ ± 5 Digits 1000 V $\pm 1,0\%$ ± 5 Digits
Resistance	600 Ω , $\pm 1,2\%$ ± 3 Digits 6 k Ω , 60 k Ω , 600 k Ω , $\pm 1,0\%$ ± 3 Digits 6M Ω , 60 M Ω $\pm 1,5\%$ ± 5 Digits
Capacity measurement	60nF, 600nF, 6 μ F, $\pm 4,0\%$ ± 20 Digits 60 μ F, 600 μ F $\pm 10,0\%$ ± 20 Digits 6mF, 60mF
Input Resistance	10 M Ω
Diode test	Yes
Continuity test	yes, with signal tone < 100 Ω
Lighting of measurement location	LED
Data-Hold-Function	Yes
Non-contact voltage test	Yes (NCV)
Overvoltage category	CAT III 600 V
Standard	EN 61010-01:2010; EN 61010-2-032:2012
Dimensions	210 x 55 x 35 mm
Weight	185 g
Colour	grey/black
Voltage supply	3 x 1,5 V AAA, LR03

VOLTMASTER

IRT 1

Infrared Thermometer

The infrared-thermometer Voltmaster IRT1 impresses with its effortless handling. With its display lighting, min/max value display and data hold function, the IRT 1 is ideally suited for daily use in trade and industry.

YOUR BENEFITS:

// LCD with backlighting

// Impact / break-proof ABS plastic

// Measuring range -50 - 550 °C

// TRMS measurement method for non-sinusoidal



THE SPECIFICATIONS

	IRT 1
Indication	LCD with background-lighting
Detector	Thermopile
Measurement optics	12:1
Laserpoint	switchable
Measurement range	-50-550 °C, -58-1022 °F
Measurement accuracy	±3% or 3°C +10 digits
Response time	< 1 s
Range exceeded indicator	„1“ upon exceeding the measurement range
Emissivity	0,95 (fixed)
Auto-Power-Off	After ca. 10 s
Data-Hold-Function	Yes
Min-/Max value indication	Yes
Operating temperature	0-50 °C, 32-122 °F
Humidity	10-80 % RH
Housing	impact-resistant and break-proof plastic
Dimensions	152 x 94 x 38 mm
Weight	127 g
Voltage supply	2 x 1,5 V AAA LR03

VOLTMAS^TER

TEN COMMANDMENTS OF COOPERATION

Full Value / Quality

The main emphasis for our products is the maxim of security and quality.

Authenticity / Individuality

The current product range is the outcome of a solid pioneering spirit and the sense for market suitable measuring and testing devices. That is reflected in every Voltmaster product.

Delivery power

We will extend the current service and delivery power for you. Our skilled and motivated specialists will do everything possible to adapt our product spectrum to the current requirements of trade, industry and research.

Actual Solutions

The Voltmaster measuring devices are delivered with the required special attachments.

Sustainability

The durability and sustainability of our products is constantly examined under high quality claims.

Customer

We focus on a long-term cooperation. The satisfaction of our customers is our most important goal.

Professionality

We are an efficient partner because of many years of experience and our competence.

Testboy

Voltmaster is a Testboy brand.

Effectivity

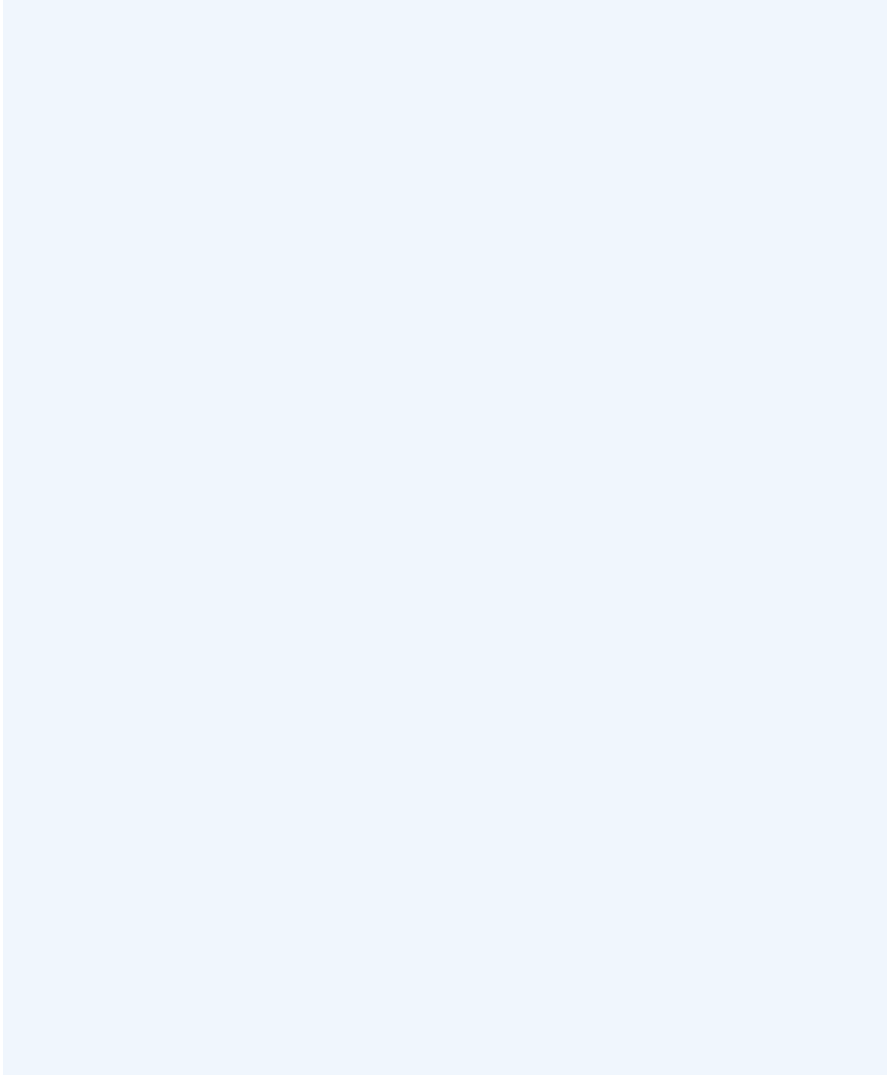
To work efficient means to achieve a striving result. Our goal is your satisfaction.

Regularity

Every Voltmaster device is constantly tested for sustainability for the market.

VOLTMASTER

NOTES



Your **VOLTMASTER** partner

VOLTMASTER

LOCATION



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