

VTTEST22 12 to 400V 2 Pole Electrical Tester

Discover the precision, reliability, and versatility of our two-pole voltage tester, ideal for both indoor and outdoor use. This tester is suitable for detecting both AC and DC voltages within a range of 12 to 400 V. The device features an intuitive LED display that shows six voltage levels: 12, 24, 50, 120, 230, and 400 V, for both AC and DC.

The tester is IP54 certified and performs excellently under various environmental conditions. Its compact size, lightweight and robust housing made of sturdy ABS material make it a handy tool for both professionals and DIY enthusiasts.

VTTEST22	
Dimensions (mm)	223 x 40 x 32
Weight	0.098kg
Material	ABS
Display Type	LED
Response Time	<0.1s
AC Voltage 50/60Hz	12, 24, 50, 120, 230, 400V
DC Voltage	12, 24, 50, 120, 230, 400V
Accuracy	-30 to 10 % of indication
Operating Time	30 seconds max.
Recovery Time	10 minutes
Auto Polarity Indication	Yes
Safety Rating	Cat III 400V
IP Rating	IP54



Code	Description
121-900	VTTEST22 2 Pole Electrical Tester

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visit our website for more information [www.esr.co.uk](http://www.esr.co.uk)



Electric & Butane Soldering Equipment

The Antex Soldering Irons, distributed by ESR Electronic Components Ltd, is a highly regarded tool in the world of electronics and soldering. Renowned for its precision, durability, and ease of use, Antex soldering irons are designed to meet the needs of both hobbyists and professional technicians alike. Offering a range of models with varying wattages and tips, Antex soldering irons provides reliable performance for everything from delicate circuit board work to larger-scale electronic assembly. With a focus on safety, ergonomic design, and temperature control, these soldering irons ensures high-quality, consistent results, making them an essential tool in any electronics



Precision Tools for the Electronics Industry

Whether it's fine electronics, intricate mechanical assemblies, or delicate repair work, CK's Precision Range equips you with tools engineered to handle the most challenging tasks. Combining innovative design with the finest materials, CK ensures that every tool in the range meets the highest standards of performance and longevity.



From precision screwdrivers with perfectly machined tips to precision pliers offering unparalleled grip and control, CK's Precision Range is built for experts who demand perfection in every detail. Experience the ultimate in precision craftsmanship and take your



Laboratory Bench Power Supplies

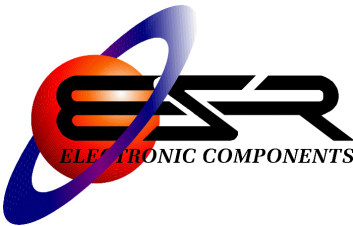
Velleman laboratory bench power supplies are renowned for their reliability, versatility, and user-friendly design, making them a staple in educational, professional, and hobbyist electronics workspaces. These devices are engineered to provide a stable and adjustable DC power source, which is essential for testing, prototyping, and troubleshooting electronic circuits and devices.



Key features of Velleman power supplies include precision voltage and current control, multiple output channels, and robust safety mechanisms such as overload protection and short-circuit prevention. Many models also come equipped with digital displays for real-time monitoring of voltage and current levels, ensuring accurate and consistent performance.

Whether you're a beginner exploring the fundamentals of electronics or a seasoned engineer working on complex projects, Velleman power supplies offer a dependable solution tailored to meet diverse needs. Their compact design, intuitive controls, and affordable pricing further enhance their appeal, cementing Velleman's reputation as a trusted name in the electronics industry.

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Station Road, Cullercoats,  
Tyne & Wear. NE30 4PQ



Digital Multimeters

This Velleman digital multimeter range is suitable for occasional users or professional electricians and installers, who need a reliable instrument for essential measurements. Thanks to its compact and robust design, you can take it anywhere. A comprehensive multimeter is suitable for measuring voltage, current, resistance and more using the supplied test leads. Most of the meters have a True RMS function, which ensures accurate voltage and current measurements. Some included temperature probes, so you can easily perform accurate temperature tests with a measurement range of -20°C to 1000°C. Furthermore, the meter features a MIN/MAX and REL function. The meter has a backlit display, making readings easy to read, and some include a torch for dark rooms. With a safety category of CAT III - 600 or 1000 V and CAT IV - 600 V make these the safe choice. Batteries included.



DVM005 Auto-Range Cat III / 600V Digital Meter

A small digital volt meter. Features: Battery test, Temperature, Resistance, Non-contact-voltage detection (NCV), True RMS, Data Hold & Flashlight. The NCV is a useful mains tester which requires no use of the leads, and is detected by a built in sensor. Supplied with test leads, temperature probe & batteries.

V DC Volts	HOLD Data Hold	Temperature	Backlit LCD
V AC Volts	Continuity	Battery Test	Flash Light
Resistance	Diode Test	NCV Non Contact Voltage	

Code	Description
121-201	DVM005 Compact Digital Multi Tester



DVM010 Manual Cat III / 600V Digital Meter

This digital multimeter is the perfect tool for DIYers and hobbyists. Thanks to its compact and robust design, you can take it anywhere. Suitable for measuring voltage, current and resistance using the supplied test leads. It also features audible continuity & Data Hold function. The meter has a 2000 count backlit display, making measurements easy to read. With a safety rating of CAT III - 600 V and a current measurement of 200 mA and 10 A at 600 V, you can be sure of safe use. Supplied with test leads & batteries.

V DC Volts	A DC Current	Resistance	HOLD Data Hold
V AC Volts	Diode Test	Continuity	Backlit LCD

Code	Description
121-210	DVM010 Compact Digital Multi Tester



0191 2514363



[www.esr.co.uk](http://www.esr.co.uk)



[sales@esr.co.uk](mailto:sales@esr.co.uk)



0191 2514363



[www.esr.co.uk](http://www.esr.co.uk)



[sales@esr.co.uk](mailto:sales@esr.co.uk)



DVM020 Manual Cat III / 600V Digital Meter

This digital multimeter is the perfect tool for electricians, DIY and hobbyists. Suitable for measuring voltage, current and resistance using the supplied test leads. The meter has a True RMS and Min/Max/Relative function. It also features: Temperature, Battery Test, Non Contact Voltage Detector, Live Wire and a Flash Light. The meter has a 2000 count backlit display, making readings easy to read. With a safety rating of CAT III 600 V and a current measurement of 200 mA and 10 A at 600 V, you can be sure of safe use. The Live Wire test, is a handy mains tester using only one of the test leads as a probe. Supplied with Padded Bag, Leads, Temperature Probe & batteries.

DC Volts

AC Volts

DC Current

AC Current

Resistance

Temperature

Continuity

Diode Test

Battery Test

Non Contact Voltage

Live Wire Recognition

Data Hold

Min / Max

Relative

Flash Light

Backlit LCD

Code	Description
121-212	DVM020 Professional Digital Multi Tester



DVM030 Auto-Range Cat III / 1000V Digital Meter

The meter has a True RMS function, which ensures accurate voltage and current measurements. Furthermore, the meter features a MIN/MAX and REL function. The meter also includes a Non Contact Voltage (NCV) detector, can measure transistor HFE, Frequency and Capacitance. The meter has a backlit 4000 count display, making readings easy to read. With a safety category of CAT III 1000 V and current measurement of 500 mA and 10 A at 1000 V, you can be sure of safe use. Supplied with Padded bag, leads, transistor HFE adaptor & battery.

DC Volts

AC Volts

DC Current

AC Current

Resistance

Capacitance

Frequency

Continuity

Diode Test

Transistor

Non Contact Voltage

Data Hold

Min / Max

Relative

Backlit LCD

Code	Description
121-213	DVM030 Professional Digital Multi Tester



DVM040 Manual Cat III / 1000V & Cat IV / 600V Digital Meter

The very complete multimeter is suitable for measuring voltage, current and resistance using the supplied test leads. The meter has a True RMS function, which ensures accurate voltage and current measurements. Furthermore, the meter features a MIN/MAX and REL function. With the included temperature probes, you can easily perform accurate temperature tests. The meter also includes a Non Contact Voltage (NCV) detector, can measure transistor HFE, Inductance and Frequency. It has a backlit 2000 count display, making readings easy to read. With a safety category of Cat III 1000 V / Cat IV - 600 V and a current measurement of 500mA and 10 A at 1000 V, you can be sure of safe use. Supplied with Padded bag, leads, Temp. probe, transistor Hfe adaptor & battery

DC Volts

AC Volts

DC Current

AC Current

Capacitance

Inductance

Frequency

Temperature

Transistor

Continuity

Non Contact Voltage

Live Wire Recognition

Relative

Data Hold

Backlit LCD

Code	Description
121-214	DVM040 Professional Digital Multi Tester



Digial Multimeter Technical Specifications



	DVM005	DVM010	DVM020	DVM030	DVM040
Dimensions (mm)	119 x 65 x 30	133 x 71 x 47	150 x 75 x 47	200 x 92 x 60	200 x 92 x 60
Weight	0.130kg	0.190kg	0.220kg	0.320kg	0.320kg
Material	ABS	ABS	ABS	ABS	ABS
Display Type	LCD	LCD	LCD	LCD	LCD
Display Size (mm)	43 x 26	40 x 21	52.5 x 31	56 x 32	56 x 32
Display Count	2000	2000	2000	4000	2000
Range Selection	Automatic	Manual	Manual	Automatic	Manual
AC Current			200μA to 10A ±(1.8%+5)	0.1μ to 10A ±(1.5%+5)	0.1μ to 10A ±(1.5%+5)
DC Current		200μ to 10A ±(1.2%+5)	200μA to 10A ±(1.0%+5)	0.1μ to 10A ±(0.8%+5)	0.1μ to 10A ±(1.0%+5)
AC Voltage	2 to 600V ±(0.8%+5)	200 to 600 V ±(0.8%+5)	2 to 600 V ±(1.0%+10)	0.01m to 750V ±(0.8%+5)	0.1m to 750V ±(1.0%+5)
DC Voltage	200m to 600V ±(0.8%+5)	200m to 600 V ±(0.8%+5)	20mV to 600 V ±(0.5%+3)	0.01m to 1000V ±(0.5%+5)	0.1m to 1000V ±(0.5%+3)
Resistance	200 to 20MOhm ±(1.2%+5)	200 to 20MOhm ±(1.0%+5)	200 to 20MOhm ±(1.0%+5)	0.1 to 40M Ohm ±(0.8%+5)	0.1 to 200MOhm ±(0.8%+5)
Capacitance				10pF to 100μF ±(4.0%+15)	10pF to 100μF ±(4.0%+15)
Inductance					2mH to 20H ±(3.5%+15)
Frequency				10Hz to 10MHz ±(0.5%+2)	10Hz to 10MHz ±(0.1%+2)
Temperature	-20 to 1000°C -4 to 1832°F		-20 to 1000°C -4 to 1832°F		-20 to 1000°C -4 to 1832°F
Auto Polarity Indication	Yes	Yes	Yes	Yes	Yes
Out of Range Indication	Yes	Yes	Yes	Yes	Yes
Diode Test	Yes	Yes	Yes	Yes	Yes
Transistor Test	No	No	No	Yes	Yes
Audible Continuity	Yes	Yes	Yes	Yes	Yes
Data Hold	Yes	Yes	Yes	Yes	Yes
Non Contact Voltage	Yes	No	Yes	Yes	Yes
Live Wire Test	No	No	Yes	No	Yes
Battery Tester	Yes	No	Yes	No	No
Flashlight	Yes	No	Yes	No	No
Fuse	n/a	F0.2, F10A 600V 5 x 20mm	F0.2, F10A 600V 5 x 20mm	F0.5,F10A 1kV 6.35 x 32mm	F0.5,F10A 1kV 6.35 x 32mm
Battery	2 x 1.5V AAA	2 x 1.5V AAA	2 x 1.5V AAA	1 x 9V PP3	1 x 9V PP3
Safety Rating	Cat III 600V	Cat III 600V	Cat III 600V	Cat III 1000V	Cat III 1000V Cat IV 600V
Test Leads included	Yes	TLM80	TLM80	TLM80	TLM80
Temp probe included	TP80	n/a	TP80	n/a	TP80
Padded Bag included	No	No	Yes	Yes	Yes