

# Since 1982

Reliable and accurate

# ***VOLTCRAFT***

## TESTERS DESIGNED FOR MAINTENANCE, REPAIR & OVERHAUL



## VC-100 MULTIMETER SERIES

The brand-new VC-100 compact multimeter series stands for high quality and provides great value for money. A new design and an easily readable display make these testers suitable for all CAT III 600 V measurement tasks. All five VC-100 multimeter types come with a built-in torch and enable non-contact voltage (NCV) testing.

## VOLTCRAFT VC-195 Digital Multimeter

NEW

**Non-contact voltage testing**  
NCV sensor with colour code  
and two sensitivity settings

**Built-in torch**  
Torch function to illuminate darkness

**Display size**  
5,6 cm (2,2")

**Outstanding readability**  
in broad daylight as well as in darkness

**Frequency readings**  
up to 600 VRMS

**LowZ mode**  
to lower input impedance

**Low-pass filter**  
(selectable)

**Clamp meter function**  
for AC readings up to 60 A  
(clamp attachment not included)

**Display and keypad guard**  
Raised edges provide excellent  
protection

**Anti-slip cover**  
at the front and the back

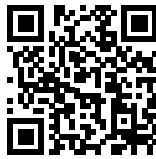


Factory-calibrated: 3411963

View product series



Watch product video



## VOLTcraft VC-100 Series – A comparison

NEW



## 100 series: basic features

Model	VC-131	VC-151	VC-171	VC-191	VC-195
Measurement category	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V
Display (counts)	2000	4000	4000	6000	60000
Auto-ranging	✓	✓	✓	✓	✓
AC readings	-	✓	✓	✓	✓
DC readings	✓	✓	✓	✓	✓
True RMS	-	✓	✓	✓	✓
Low Z (selectable)	-	-	-	✓	✓
Capacitance	-	-	✓	✓	✓
Frequency	-	-	✓	✓	✓
Duty Cycle	-	-	✓	✓	-
Diode testing	✓	-	✓	✓	✓
Continuity testing	✓	✓	✓	✓	✓
Relative mode	-	-	✓	✓	✓
Low-pass filter	-	-	-	✓	✓
Temperature measurement	-	✓	-	✓	-
Battery tester	-	✓	-	-	-
Data-Hold function	✓	✓	✓	✓	✓
Min/Max function	-	-	-	✓	✓
Test leads with wear-and-tear indicator	✓	✓	✓	✓	✓
Display backlighting	✓	✓	✓	✓	✓
Built-in torch	✓	✓	✓	✓	✓
Non-contact voltage (NCV) testing	✓	✓	✓	✓	✓
Low battery indicator	✓	✓	✓	✓	✓
Auto-OFF	✓	✓	✓	✓	✓

## 100 series: measurement functions

Model	VC-131	VC-151	VC-171	VC-191	VC-195
DC voltage	600 V	600 V	600 V	600 V	600 V
AC voltage	600 V	600 V	600 V	600 V	600 V
AC/DC current	-/10 A	10 A/10 A	10 A/10 A	10 A/10 A	10 A/10 A
Resistance	20 MΩ	20 MΩ	40 MΩ	60 MΩ	40 MΩ
Capacitance	-	-	100 µF	60 mF	10 mF
Frequency	-	-	10 MHz	1 MHz	50 KHz
Temperature	-	-40 °C ~ 400 °C	-	-40 °C ~ 400 °C	-
Duty cycle	-	-	0.1 % ~ 99.9 %	0.1 % ~ 99.9 %	-
Low Z AC voltage	-	-	-	600 V	600 V
Product ID (factory-calibrated)	2446476-V4	2446477-V4	2446478-V4	2446475-V4	3411963-V4
Product ID (ISO-calibrated)	2584520-V4	2584521-V4	2619349-V4	2619348-V4	-

Full product details are available at [conrad.com](https://www.conrad.com)

## VOLTCRAFT VC-200 SERIES

A new safety category layed out for schools, colleges and universities. It comes with a safety housing specially designed for vocational training across the electrical trades: The battery compartment stays locked as long as the test leads are connected to the device.

This enables a safe change of batteries during apprenticeship and work life. Probe ports auto-lock when you open the battery compartment.

The large EBTN display features a probe port navigator that uses audiovisual signals to help select the appropriate ports.



## VOLTCRAFT VC-292 Digital Multimeter





View product series



Watch product video



## VOLTCRAFT VC-200 Series – A comparison



### 200 series: basic features

Model	VC-232	VC-252	VC-272	VC-292
Measurement category	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V
Display (counts)	2000	4000	6000	6000
True RMS	✓	✓	✓	✓
Low Z	✓	✓	✓	✓
Temperature	-	-	✓	-
Frequency	-	✓	✓	✓
Capacitance	-	✓	✓	✓
Duty Cycle	-	-	✓	✓
Current clamp attachment included	-	-	-	✓
Battery testing 1.5 V/9 V	✓	✓	-	-
Diode testing	✓	✓	✓	✓
Continuity testing	✓	✓	✓	✓
Non-contact voltage (NCV) testing	✓	✓	✓	✓
EBTN display	✓	✓	✓	✓
Display backlighting	✓	✓	✓	✓
Incorrect probe port alarm	✓	✓	✓	✓
Auto-resetting fuses (600 mA only)	✓	✓	✓	✓
Safety housing (battery change)	✓	✓	✓	✓
DATA-Hold function	✓	✓	✓	✓
Relative Mode	✓	✓	✓	✓
Low battery indicator	✓	✓	✓	✓
Auto-OFF	✓	✓	✓	✓
Built-in torch	✓	✓	✓	✓

### 200 series: measurement functions

Model	VC-232	VC-252	VC-272	VC-292
DC voltage	600 V	600 V	600 V	600 V
AC voltage	600 V	600 V	600 V	600 V
AC/DC current	10 A/10 A	10 A/10 A	10 A/10 A	60 A/60 A
Resistance	20.00 MΩ	40.00 MΩ	60.00 MΩ	60.00 MΩ
Capacitance	-	40.00 mF	60.00 mF	60.00 mF
Frequency	-	10.00 Hz ~ 10.00 MHz	10.00 Hz ~ 10.00 MHz	10.00 Hz ~ 10.00 MHz
Temperature	-	-	-40 ~ 1000 °C	-
Duty cycle	-	-	0.1 % ~ 99.9 %	0.1 % ~ 99.9 %
Low Z AC voltage	2 V ~ 600 V	4 V ~ 600 V	6 V ~ 600 V	6 V ~ 600 V
Product ID (factory-calibrated)	2576860-V4	2576861-V4	2576862-V4	2576863-V4
Product ID (ISO-calibrated)	2765995-V4	2765996-V4	2765997-V4	2765998-V4

Full product details are available at [conrad.com](https://www.conrad.com)

## VC-800 MULTIMETER SERIES

A new benchmark product line aimed at laboratories and R&D facilities, with outstanding accuracy and 60.000 count TFT displays that are readable from all angles. These testers allow choosing individual auto-OFF, backlighting, acoustic signals and other settings, to meet user needs. Built-in neodymium magnets enable attaching the product to switchboard cabinet doors and keep the probe tips nice and tidy on the meter. The top-end devices come with Bluetooth® smartphone and tablet connectivity, to enable remote operation and datalogger functions.

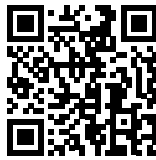


## VOLTCRAFT VC-891 Digital Multimeter



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## VOL TCRAFT VC-800 Series – A comparison



### 800 series: basic features

Model	VC-831	VC-851	VC-871	VC-891
Counts	6000	6000	60.000	60.000
True RMS	✓	✓	✓	✓
Auto-range/manual range selection	•/•	•/•	•/•	•/•
Basic accuracy DC	± 0,5 % +5	± 0,5 % +5	± 0,08 % +5	± 0,03 % +5
CAT III	1000 V	1000 V	1000 V	1000 V
CAT IV	600 V	600 V	600 V	600 V
Dual Display	—	—	✓	✓
Peak (1ms)	—	—	✓	✓
Low Pass Filter (1kHz)	—	—	—	✓
Temperature readings	—	✓	✓	✓
Data logging via app	—	—	✓	✓
Screen displayed in the app	—	—	✓	✓
Low Impedance	✓	✓	✓	✓
AC+DC reading function	—	—	—	✓
Continuity testing	✓	✓	✓	✓
Selectable threshold (continuity)	—	—	✓	✓
Diode testing	✓	✓	✓	✓
Backlighting	✓	✓	✓	✓
Bar graph display	✓	✓	✓	✓
DATA-hold function	✓	✓	✓	✓
Maximum-hold function	✓	✓	✓	✓
Minimum-hold function	✓	✓	✓	✓
Relative mode	✓	✓	✓	✓
Incorrect probe port alarm	✓	✓	✓	✓
Compare function	—	—	✓	✓
Power testing using wattage	—	—	✓	—
Auto-OFF	✓	✓	✓	✓
Battery level indicator	✓	✓	✓	✓
Time and date display	—	—	✓	✓
Mutable button sound	✓	✓	✓	✓

### 800 series: measurement functions

Model	VC-831	VC-851	VC-871	VC-891
DC voltage	1000 V	1000 V	1000 V	1000 V
AC voltage	750 V	1000 V	1000 V	1000 V
AC/DC current	10 A/10 A	10 A/10 A	10 A/10 A	10 A/10 A
AC frequency range	45 - 400 Hz	45 - 1000 Hz	45 - 1000 Hz	45 - 10000 Hz
Resistance	60 MΩ	60 MΩ	60 MΩ	60 MΩ
Capacitance	60 mF	60 mF	60 mF	60 mF
Frequency	10 MHz	10 MHz	60 MHz	60 MHz
Temperature	—	-40 ~ 1000 °C	-40 ~ 1000 °C	-40 ~ 1000 °C
LoZ AC voltage	600 V AC	600 V AC	600 V AC	600 V AC
LoZ frequency range	45 - 400 Hz	45 - 1000 Hz	45 - 1000 Hz	45 - 1000 Hz
Product ID (factory-calibrated)	2576864-V4	2576865-V4	2576867-V4	2576866-V4
Product ID (ISO-calibrated)	2622032-V4	2622033-V4	2789718-V4	2813726-V4

Full product details are available at [conrad.com](https://www.conrad.com)

## VOLTCRAFT VC-900 SERIES – ACCURACY MEETS DURABILITY

Challenging tasks in industry and craft business require tools that are both accurate and durable. VOLTcraft, known specialists in high-quality test equipment, have expanded their established range of multimeters, adding two new models to their VC-900 series that do meet above requirements.



# VOLTCRAFT VC-900 Digital Multimeter Series

NEW



VC-905 factory-calibrated: 3065855  
VC-915 factory-calibrated: 3072347

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## VOLTcraft VC-900 Series – A comparison



## 900 series: basic features

Model	VC-905	VC-915
Protection rating	IP65	IP65
Measurement category	CAT III 1000 V CAT IV 1000 V	CAT III 1000 V CAT IV 1000 V
True RMS	✓	✓
Counts	6000	20000
Basic accuracy	± 0,6 % + 3	± 0,5 % + 5
Auto-ranging	✓	✓
Test lead type	PVC	Silicon
Built-in magnet (rear side)	✓	✓
Temperature reading range	-40 to +1000 °C	-40 to +1000 °C
Phase rotation testing	—	✓
Built-in torch	✓	✓
Analogue bar graph	✓	✓
Duty Cycle	✓	✓
Low Z (low impedance)	✓	✓
DC voltage	up to 1000 V	up to 1000 V
AC voltage	up to 1000 V	up to 1000 V
DC current	20 A <sup>1</sup>	20 A <sup>1</sup>
AC current	20 A <sup>1</sup>	20 A <sup>1</sup>
Mixed voltage AC+DC	—	✓
Resistance	up to 60 MΩ	up to 100 MΩ
Capacitance	up to 60 mF	up to 20 mF
Frequency	60 Hz to 10 MHz (max. 20 VRMS)	20 Hz to 20 MHz (max. 20 VRMS)
Diode testing	✓	✓
Continuity	✓	✓
Sample rate	approx. 3 samples per second	approx. 3 samples per second
Bluetooth® & App	—	✓
Dimensions (L x W x H)	216 x 104 x 51 mm	216 x 104 x 51 mm
Weight	550 g	550 g
Product ID (factory-calibrated)	3065855-V4	3072347-V4

<sup>1</sup>Reading period >10 s - 20 A (max.) - Input: 10 sec with measurement break of 15 min

### VOLTcraft VC-480 Industrial Multimeter IP67

- 600.000 counts (DCV range)
- Withstands falls from heights of up to 5 m
- CAT IV 1000 V
- Basic accuracy 0.021 %
- True RMS
- Operating temperature range -40 to +55 °C
- Low Z, 4-20 mA, temperature reading, low-pass-filter, duty cycle

Product ID 3364265-V4



Learn more about  
the VC-480



Full product details are available at [conrad.com](https://www.conrad.com)

# VOLTCRAFT VC-371 CLAMP METER AND VC-500 CLAMP METER SERIES

When confined space prevents the use of large-size current clamps, VOLTCRAFT VC-300 clamp meters come in handy. For instance, the VC-371 features a miniature probe tip that facilitates taking readings when testing terminal strips and circuit breakers.

VC-500 series meters are designed for high AC and DC amperage (1000 A max.), featuring wider clamp jaws suitable for cables with larger cross-sections. The products come with a negative display that ensures excellent readability in any light condition. Moreover, the VC-538 BT clamp meter has a built-in Bluetooth® interface that allows forwarding readings to an Android/iOS app for data storage and analysis.



## VOLTCRAFT VC-371 Clamp Meter



**NCV sensor**  
enables non-contact voltage testing

**Oval opening**  
for wire cross sections  
of up to 5,5 mm<sup>2</sup>

**Extra slimline**  
Very narrow jaw design

**Universal**  
AC and DC current readings  
up to 40A

**Zero offset adjustment**  
for DC readings

**EBTN display**  
ensures excellent low-light readability

**Accurate results**  
based on True RMS readings

**Cable stopper**  
No more pinched cables

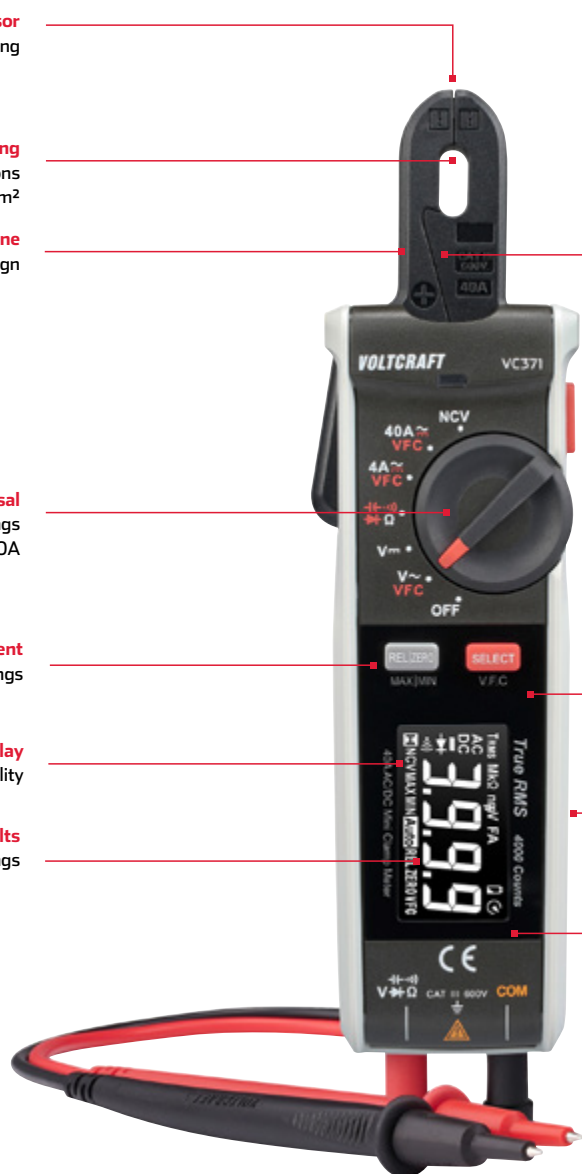
**Ergonomically placed**  
thumb-operated HOLD button

**Selectable low-pass filter**  
(400 Hz cut-off frequency)

**Raised edges**  
protect display and buttons

**Reliable readings**  
at 4000 counts

**Test lead option**  
Built-in multimeter function



Factory-calibrated: 2893199  
ISO-calibrated: 3163118

View VC-300 Series



Watch the VC-337 video



Watch the VC-523 video



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## VOLTCRAFT VC-500 Series – A comparison



NEW



NEW



NEW

### 500 series: basic features

Model	VC-513 Probe head designed for accurate DC readings	VC-515 Probe head designed for accurate DC readings	VC-541 Reads leakage currents over 100 µA
Type	AC/DC readings up to 80A	AC/DC readings up to 160A	Leakage clamp meter
Counts	4000	6000	2000
Amperage reading range up to	80 A	160 A	200 A
AC/DC current	AC/DC	AC/DC	AC/-
Voltage	✓	✓	✓
Temperature	✓	✓	-
Resistance	✓	✓	✓
Capacitance	✓	✓	-
Frequency	✓	✓	-
Duty cycle [%]	✓	✓	-
Measurement category	CAT III 600 V	CAT III 600 V	CAT III 600 V
Measurement method	True RMS	True RMS	True RMS

### VC-500 series: measurement functions

Model	VC-513	VC-515	VC-541
Clamp measurement functions			
AC/DC	80 A / 80 A	160 A / 160 A	200 A / -
Test lead measurement functions			
AC/DC	600 V / 600 V	600 V / 600 V	600 V / 600 V
Resistance	40 MΩ	60 MΩ	20 MΩ
Temperature reading range	-20 to +760 °C	-20 to +760 °C	-
Capacitance	4 mF	9,999 mF	-
Frequency	10 Hz - 100 kHz	10 Hz - 100 kHz	-
Best.-Nr. (Werkskalibriert)	3208844-V4	3208845-V4	3208846-V4

## VOLTCRAFT VC-500 Series – A comparison



VC-522



VC-523



VC-532



VC-533

VC-538 BT  
Bluetooth® app  
(Android/ iOS)

NEW

### 500 series: basic features

Model	VC-522	VC-523	VC-532	VC-533	VC-538 BT Bluetooth® app (Android/ iOS)
Amperage reading range up to	400 A	400 A	1000 A	1000 A	1000 A
Counts	4000	4000	6000	6000	6000
DC current	-	✓	-	✓	✓
Measurement method	True RMS	True RMS	True RMS	True RMS	True RMS
Display	Negative LCD	Negative LCD	Negative LCD	Negative LCD	Negative LCD
Bar graph	-	-	✓	✓	✓

### VC-500 series: measurement functions

Model	VC-522	VC-523	VC-532	VC-533	VC-538 BT
Clamp measurement functions					
AC current	400 A	400 A	1000 A	1000 A	1000 A
DC current	-	400 A	-	1000 A	1000 A
Test lead measurement functions					
AC voltage	600 V	600 V	600 V	600 V	750 V
DC voltage	600 V	600 V	600 V	600 V	1000 V
Temperature Resistance range	40 MΩ	40 MΩ	60 MΩ	60 MΩ	60 MΩ
Temperature reading range	-20 - 760 °C	-20 - 760 °C	-20 - 760 °C	-20 - 760 °C	-40 - 1000 °C
Capacitance	100 µF	100 µF	4000 µF	4000 µF	60 mF
Frequency	10 kHz	10 kHz	10 kHz	10 kHz	10 kHz
Product ID (factory-calibrated)	1693351-V4	1693352-V4	1693353-V4	1693354-V4	3208847-V4
Product ID (ISO-calibrated)	1899853-V4	1899854-V4	2141325-V4	2141326-V4	-

Full product details are available at [conrad.com](https://www.conrad.com)

# VC-700 CLAMP METER SERIES

One series that blends safety, accuracy and connectivity. VOLTcraft have just released their latest VC-700 clamp meter product line aimed at the electronics and photovoltaics sector. The new range includes the VC-771 PV designed for taking high-amperage (1500 A AC/ 2000 A DC) and high-voltage (1000 V AC/1500 V DC) readings.

VOLTcraft's VC-781 clamp meter serves one main purpose: measuring earth loop resistance and earth leakage current. Both products support Bluetooth® wireless standards and forward readings to an app for data storage and analysis.



## VOLTcraft VC-700 Clamp Meter Series – A comparison



NEW

VC-771 PV clamp meter



NEW



VC-781 earth leakage clamp meter

Model	VC-771 PV
Measurement category	CAT III 1500 V, CAT IV 1000 V
Counts	6000
IP rating	IP54
Jaw opening	max. 52 mm
AC accuracy (1500 A range)	± 2,8 % + 8 digits
Sample rate	3 samples per second
AC current (max.)	1500 A
DC current (max.)	2000 A
AC voltage (max.)	1000 V
DC voltage (max.)	1500 V
Resistance	60 MΩ
Capacitance	99,9 mF
Frequency (test lead readings)	10 Hz to 20 kHz
Frequency (clamp readings)	40 Hz to 1 kHz
Temperature	-20 to 1000 °C
NCV	✓
Low-pass filter	>400 Hz
Duty cycle	✓
True RMS	✓
Bluetooth®	✓
iOS/Android app	✓
Dimensions (LxWxH)	320,3 x 110 x 51,2 mm
Weight (incl. batteries)	780 g
Product ID (factory-calibrated)	3015662-V4

Model	VC-781
Measurement category	CAT III 1000 V, CAT IV 600 V
Counts	9999
IP rating	IP54
Jaw opening	approx. 40 mm
Sample rate	3 samples per second
AC current accuracy (3.999 mA range)	± 1,0 % + 11 digits
AC current accuracy (3.999 mA range bandpass)	± 1,5 % + 15 digits
Earth loop accuracy (0.025 - 0.249 Ω range)	± 1,5% + 0,020 Ω
AC current (max.)	39,99 A
Earth loop resistance (max)	1500 Ω
True RMS	✓
Bluetooth®	✓
iOS/Android app	✓
Data logging	max. 10,000 data samples
Hold-function	✓
Max/min memory	✓
Relative mode (REL)	✓
Battery	Li-Ion, 18500 2S; 7,4 V; 1500 mAh
Battery life	approx. 10 h
Dimensions (W x H x D)	100,2 x 306,7 x 54,5 mm
Weight (incl. battery)	1016 g
Product ID (factory-calibrated)	3015663-V4

## Calibration loop for earth clamp meters

- To check the accuracy of earth clamp meters
- 4 resistance settings: 0.25 Ω, 1 Ω, 10 Ω, 100 Ω

Product ID 3402202-V4

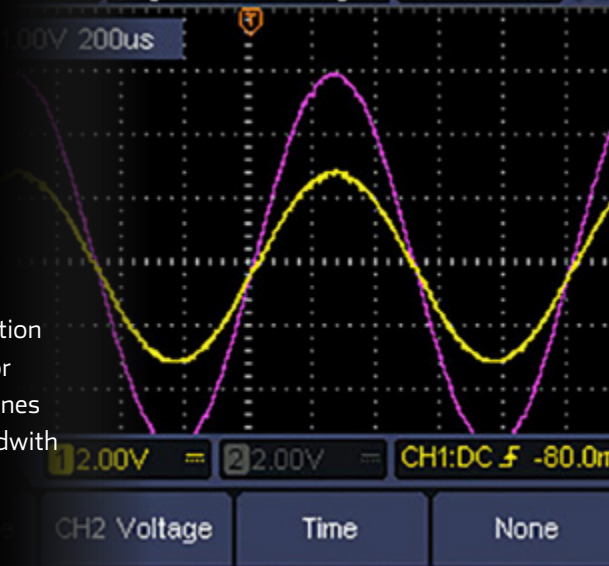


Example of use



# HANDHELD OSCILLOSCOPES

Handheld oscilloscopes are highly versatile tools for maintenance work and troubleshooting. DSO-5072 H and DSO-5104 H enable bus-decoding and feature a wide range of trigger modes that stabilise and visualise complex waveforms. Users looking for a product with a built-in multimeter and function generator can either opt for the DSO-2202 H (comes with both features), or choose the DSO-2072 H (multimeter only). Moreover, the DSA-3100 combines a 2-channel oscilloscope, a multimeter and a spectrum analyser with a bandwidth from 9 kHz to 3 GHz.



## Handheld Oscilloscopes – A comparison



### DSO Series

Model	DSO-5072 H	DSO-5104 H	DSO-2072 H	DSO-2202 H
Bandwidth	70 MHz	100 MHz	70 MHz	200 MHz
No. of analogue channels	2	4	2	2
Sample rate per channel	1 GSa/s	1 GSa/s	250 MSa/s	1 GSa/s
Resolution	8 Bit	8 Bit / 12 Bit / 14 Bit	8 Bit	8 Bit
Maximum Waveform Capture Rate	45.000 wfms/s	45.000 wfms/s	10.000 wfms/s	10.000 wfms/s
Maximum Memory Depth per channel	40 M	40 M	8 K	8 K
Scanning speed	2ns/div - 1000s/div	2ns/div - 1000s/div	5ns/div - 1000s/div	2ns/div - 1000s/div
Display	TFT / 800 x 600 pixels	TFT / 800 x 600 pixels	TFT / 320 x 240 pixels	TFT / 320 x 240 pixels
Mathematical operations	+, -, *, /, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (lowpass, high pass, band pass, band reject)	+, -, *, /, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (lowpass, high pass, band pass, band reject)	-	-
Trigger Type	edge trigger, video trigger, pulse trigger, slopetrigger, runt trigger, windows trigger, timeout trigger, Nth edge trigger, logic, UART-trigger, I2C trigger, SPI trigger, CAN trigger	edge trigger, video trigger, pulse trigger, slopetrigger, runt trigger, windows trigger, timeout trigger, Nth edge trigger, logic, UART-trigger, I2C trigger, SPI trigger, CAN trigger	Automatic, normal, single, edge	Automatic, normal, single, edge
Trigger & Decoding	I2C / RS232/ SPI / CAN triggering and decoding	I2C / RS232/ SPI / CAN triggering and decoding	-	-
Interface	USB Host, USB Device; Trig Out (Pass/Fail); LAN port	USB Host, USB Device; Trig Out (Pass/Fail); LAN port	USB-Device	USB-Device
AFG/ Frequency of sine wave	-	-	-	✓ / 25 MHz
Multimeter	✓	-	✓	✓
Power consumption	< 15 W	< 15 W	< 5 W	≤ 6 W
Battery	7.4 V / 8000 mAh	7.4 V / 8000 mAh	2200 mAh*2 (3.7 V, 18650)	2600 mAh*2 (3.7 V, 18650)
Dimensions	270 x 191 x 48 mm	270 x 191 x 48 mm	198 x 96 x 38 mm	198 x 96 x 38 mm
Weight	1.7 kg	1.7 kg	0.6 kg	0.6 kg
Product ID (factory-calibrated)	2267610-V4	2266525-V4	2380256-V4	2687724-V4
Product ID (150-calibrated)	2468361-V4	2468362-V4	2742629-V4	3049518-V4

NEW

## VOLTCRAFT DSA-3100 Oscilloscope/Spectrum Analyser/Multimeter

- 8.89 cm colour LCD
- Battery 2600 mAh\*2 (3.7 V, 18650)
- Dimensions (LxHxW) 198 x 96 x 38 mm
- Weight approx. 0.6 kg (w/o battery)

Product ID 3393783-V4



DSA-3100 Oscilloscope	DSA-3100 Spectrum Analyser	DSA-3100 Multimeter
Bandwidth: 100MHz	Frequency range 9 kHz to 3,0 GHz	20.000 Counts
2 channels	Resolution: 100 Hz	Input voltage (max): 750 V AC/ 1000 V DC
Sample rate: 500 MSa/s	DC voltage input (max): 50 V	Input current (max): 10A AC/ 10A DC
Record length: 8k	Selectable preamplifier	Basic accuracy: ±0.43 % + 14 digits
Trigger type: automatic, normal, single	Impedance: 50 Ω (typical)	True RMS
Cursor measurement: ΔV, ΔT	SMA socket HF input	Readings: Voltage, amperage, resistance, capacitance, continuity, diode testing
Auto-measurement functions	Frequency marker function	-

Full product details are available at [conrad.com](http://conrad.com)

Daily price updates and product availabilities: [conrad.com](http://conrad.com)

# DL-200 DATA LOGGER SERIES

DL-200 series data loggers are operated via browser-based software. They store, among other information, start times, end times, start delays alarm notification settings and their respective thresholds. After the data have been acquired, the devices auto-generate both a PDF that includes graphs and the used procedures, and a CSV file contains the original readings. In short, these data loggers work like your everyday USB memory stick and are compatible with any PC and laptop.



## DL-200 Data Logger Series – A comparison



### Data Loggers

Model	DL-200T	DL-210TH	DL-220THP	DL-230L	DL-240K	DL-250V	DL-260A
Readings	Air temperature	Air temperature Relative humidity	Air temperature Relative humidity Barometric pressure	Illuminance	Thermoelement temperature	Voltage	Amperage
Reading range	30 to +60 °C	30 to +60 °C 0 % rF - 100 % rF	30 to +60 °C 0 % rF - 100 % rF 300 hPa - 1200 hPa	0 - 400.000 lux	-200 to 1372 °C	0,01 V - 30 V	0 mA - 20 mA
Reading interval	1 min - 24 h	1 min - 24 h	1 min - 24 h	10 s - 24 h	10 s - 24 h	10 s - 24 h	10 s - 24 h
Memory per channel	40020	20010	13340	31320	31200	31320	31320
Wall-mount option	✓	✓	✓	✓	✓	-	-
Product ID (factory-calibrated)	1435090-V4	1435091-V4	1435092-V4	1931527-V4	1931526-V4	2203101-V4	2203098-V4
Product ID (ISO-calibrated)	2265737-V4	1533805-V4	1579054-V4	2265910-V4	2265909-V4	2265906-V4	2265896-V4

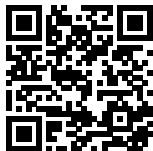


### Lockable wall mount for VOLTcraft DL-200 series data loggers

- Compatible with DL-200T, DL-210TH, DL- 220THP, DL-230L, DL-240K

Product ID 1664363-V4

Watch DL-200 series product video



N.B.: More details about returning old batteries or rechargeables are available at conrad.com  
For more details and the latest information, please visit our online shop at conrad.com

# TESTERS FOR MAINTENANCE, REPAIR & OVERHAUL

State-of-the-art test equipment allows you to check the status of machinery and to prevent downtime. Using both the ET-200 insulation tester and the R-200 ohmmeter enables quality assessments of electric motors and actuators based on actual readings taken. Moreover, the STK-3000 current loop calibrator is an absolute timesaver when it comes to detecting and resolving current loop faults.

Foto: Gettyimages, yeh4nn

## VOLTCRAFT ET-200 Insulation Tester

- 50/100/250/500/1000V test levels
- Insulation resistance up to 20 GΩ
- Polarisation Index (PI) and Dielectric Absorption Ratio (DAR) calculation
- AC/DC voltage testing
- Resistance testing up to 20 kΩ using 200 mA test currents
- Data memory slots for 99 readings
- CAT IV 600 V

### Product ID

1301293-V4 (factory-calibrated)

1411665-V4 (ISO-calibrated)



## Accessories: Test Leads with Trigger Button for ET-200 Insulation Tester

- Compatible with the ET-200 insulation tester
- Button on the tip triggers a reading
- Lead length: approx. 1.2 m

Product ID 1359985-V4

## VOLTCRAFT R-200 milliohm meter (4-wire Method)



Resistance reading range (4-wire method)	0.1 mΩ - 40 Ω
Test current (400mΩ range, 4-wire method)	200 mA
Multimeter functions	V/AC, V/DC, Ω, F, mA/AC, mA/DC, acoustic continuity and diode testing
Counts	4000
CAT rating	CAT III 600 V
Dimensions (LxWxH)	200 x 92 x 50 mm
Delivery includes	Safety test leads Kelvin test leads Batteries Case User manual
Product ID (factory-calibrated)	101393-V4
Product ID (ISO-calibrated)	1238107-V4
Product ID (DAkkS-accredited lab)	1241624-V4

## VOLTCRAFT STK-3000 Current Loop Calibrator



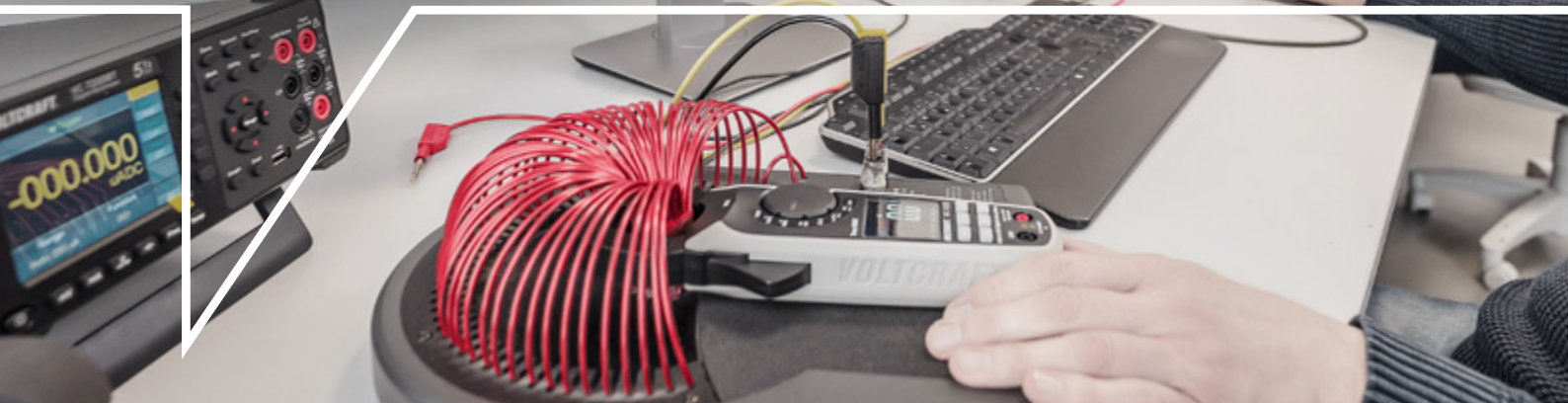
Model	STK-3000	
Operating voltage	6x Ni-MH AA battery	
Operating temperature	-10 to +55 °C	
Dimensions (W x H x D)	104 x 224 x 63 mm	
Weight (incl. batteries)	ca. 650 g	
Measurement mode	Accuracy	
mV DC	-10 mV to 220 mV	±(0,02 % +5)
DC voltage	0 - 30 V/DC	±(0,02 % +2)
DC current	0 - 24 mA	±(0,02 % +2)
Frequency	1 Hz - 100 kHz	±(0,01 % +1)
Continuity	≤250Ω acoustic signal	-
Supply mode (source)	Accuracy	
mV DC	-10 mV to 110 mV	±(0,02 % +10)
DC voltage	0 - 10 V	±(0,02 % +10)
DC current	0 - 24 mA	±(0,02 % +2)
Frequency	0,20 Hz - 20 kHz	±(0,01 % +1)
Pulse	1 - 10000 Hz	-
24V loop voltage supply	Yes	
Step and slope function	Yes	
Interface	USB	
Product ID (factory-calibrated)	2389433-V4	
Product ID (ISO-calibrated)	3088271-V4	

Full product details are available at [conrad.com](http://conrad.com)

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# CALIBRATION SERVICE



## ELECTRICAL EQUIPMENT CALIBRATION – ISO OR THROUGH AN ACCREDITED TESTING LABORATORY

Opting for an accredited testing laboratory to calibrate equipment means choosing the highest calibration standards. The lab needs to be examined and approved by Deutsche Akkreditierungsstelle (DAkkS). Accreditation is based on a higher number of data points that are collected at much shorter intervals compared to ISO standards. This makes the issued certificate a reliable proof of the accuracy and precision of the tested device. Moreover, these certificates are globally acknowledged.

Calibration according to ISO standards requires lower sample rates, with the calibration being less stringent than calibrations carried out by accredited testing and certification labs. Nevertheless, ISO standards are an excellent benchmark when it comes to certifying the accuracy of modern testing equipment.

### What calibration to choose?

Whether to choose an expensive calibration provided by an **accredited testing lab** over a **calibration according to ISO standards** depends on the way you operate your business: DIN EN ISO 9000/9001 standards require **traceable equipment calibration**. Companies holding this type of certificate will have to calibrate every single piece of testing equipment they use. If this also involves globally acknowledged certificates, equipment will have to be calibrated by an accredited testing and certification lab. Otherwise, a more cost-effective ISO calibration will suffice.

With regard to calibrating equipment designated as **reference for other testing equipment**, we recommend opting for an accredited certification lab. Moreover, compliance with other standards, such as IATF 16949, might also necessitate calibrations being carried out by an accredited testing and certification lab.

### A quick way of getting multimeters and clamp meters ISO-calibrated – no need to wait!

The delivery of brand-new ISO-compliant multimeters and clamp meters usually takes longer as the calibration of these devices is carried out by third-party testing bodies. A waiting period of 14 days or more until your purchase arrives isn't unheard of. However, Conrad offering **inhouse equipment calibration** based at their Wernberg-Köblitz facilities that complies with **DIN EN ISO 9001:2015** standards speeds up this process significantly. Currently, this service comprises the calibration and certification of both handheld and bench multimeters as well as clamp meters using the latest methodologies.

How to find VOLTcraft ISO-calibrated products? **Scan the QR code**

