



EXTECH EX300 Series Digital Multimeters User Guide

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EXTECH®

EXTECH EX300 Series Digital Multimeters



Pick the right Multimeter for your application



MN Series

Compact and affordable Digital Multimeters with choice of Manual Ranging or Autoranging models. Perfect for DIYers, students, hobbyists, mechanics and technicians.

EX300 Series

Mini Digital DMMs with built-in Non-Contact Voltage Detector and numerous electrical functions and temperature.

EX350 Series

These professional True RMS DMMs are loaded with advanced features and functions. Low Impedance (LoZ) mode eliminates false readings caused by ghost voltages. Low Pass Filter (LPF) attenuates high frequencies to reduce noise for accurate readings.

EX360 Series

Professional CAT IV True RMS Multimeters designed for Electrical, HVAC, or Industrial Applications. Advanced LoZ feature eliminates false readings caused by ghost voltages. CAT IV safety rating ensures the highest level of protection.

EX400A Series

Professional Full Size Series Digital Multimeters. Features include Large Digits, True RMS or Averaging, and Type K and/or built-in IR Thermometer.

EX500 Series

Industrial Series Digital DMMs are accurate and rugged. Waterproof, dustproof, drop tested to 2 m (6.5'), and CAT IV safety rated for higher voltage applications. Wireless datalogging model or built-in IR Thermometer.

MG320 Series

Combines a 1000 V Insulation Resistance Tester with Resistance range up to 200 GΩ and a fully-loaded True RMS CAT IV Digital Multimeter.

Look for this symbol: **(N)** indicating products that are available with optional calibration traceable to NIST. See complete listing on p. 146-167.

EX300 Series Mini Digital Multimeters + Voltage Detector



Combination Multimeter with non-contact AC Voltage Detector

- Built-in non-contact AC Voltage Detector with red LED indicator and audible beeper
- Large 1" digits makes display easy to read
- CAT III-600 V, CAT II-1000 V safety rating
- 2-year warranty
- Complete with stand, test leads, protective holster, batteries, general purpose Type K bead wire temperature probe (EX330 only)

Model EX310 (Manual Ranging)

- Battery test 1.5 V and 9 V

Model EX330 (Autoranging)

- Data Hold and Auto Power Off
- Advanced functions include Type K Temperature, Capacitance, and Frequency

SPECIFICATIONS

SPECIFICATIONS EX310 (MANUAL RANGING) EX330 (AUTORANGING)

- Display Count 2000 4000
- Basic Accuracy 0.50% 0.50%
- NCV Detector 100 to 600 V AC 100 to 600 VAC
- DC Voltage 0.1 mV to 600 V 0.1 mV to 600 V
- AC Voltage 0.1 V to 600 V 0.1 mV to 600 V
- DC/AC Current 0.1 mA to 10 A 0.1 μ A to 10 A
- Resistance 0.1 Ω to 2000 k Ω 0.1 Ω to 40 M Ω
- Capacitance — 0.001 nF to 200 μ F
- Frequency — 0.001 Hz to 10 MHz
- Temperature — -4 to 1382°F (-20 to 750°C)
- Duty Cycle — 0.1 to 99.9%
- Diode/Continuity Yes Yes
- Dimensions 5.7×2.9×1.6" (147×76×42 mm) 5.7×2.9×1.6" (147×76×42 mm)
- Weight 9 oz (260 g) 9 oz (260 g)



Integrated Non-Contact Voltage Detector for quickly checking the presence of live wires before testing.

ORDERING

- EX310 **(N)** Manual Ranging 9 Function Mini Multimeter + Non-Contact Voltage Detector
- EX330 **(N)** Autoranging 12 Function Mini Multimeter + Non-Contact Voltage Detector
- 409996 Vinyl soft case
- TP873 Replacement Bead wire Temperature Probe (-22 to 572°F/-30 to 300°C)
- TL803 Replacement Test Leads

Indicates products that are available with optional calibration traceable to NIST. See pages 146-147 for a complete listing.

EX350 Series True RMS Multimeters with LPF and LoZ



Professional meters loaded with advanced features and functions including Low Pass Filter (LPF) and Low Impedance (LoZ)

- True RMS for accurate AC measurements
- 0.5% basic accuracy
- Low Pass Filter (LPF) for accurate measurement of variable frequency drive signals
- LoZ prevents false readings caused by ghost voltages
- Built-in Non-Contact AC Voltage Detector (NCV) with LED indicator
- Data Hold freezes the reading on the display
- Min/Max/Max-Min captures highest and lowest readings and the difference between them
- Relative Mode for Capacitance Zero and offset adjustment
- Continuity and Diode Test
- Auto Power Off conserves battery life
- CAT III-600 V safety rating
- 3-year warranty

Model EX350

- 4000 count backlit LCD display
- Complete with test leads and two AA batteries

Model EX355

- 6000 count backlit LCD display
- Type K Temperature

- Complete with test leads, two AA batteries, and general purpose bead wire temperature probe

SPECIFICATIONS EX350 EX355

- Display Count 4000 6000
- Basic DCV Accuracy $\pm 0.5\%$ $\pm 0.5\%$
- NCV Detector Yes Yes
- DC/AC Voltage 0.01 mV to 600 V 0.01 mV to 600 V
- DC/AC Current 0.1 μ A to 10.00 A 0.1 μ A to 10.00 A
- Resistance 0.1 Ω to 40.00 M Ω 0.1 Ω to 60.00 M Ω
- Capacitance 1 pF to 60.00 mF 1 pF to 60.00 mF
- Frequency 0.001 Hz to 10 MHz 0.001 Hz to 10 MHz
- Temperature (Type K) — -40 to 1832°F (-40 to 1000°C)
- Duty Cycle 0.1 to 99.9% 0.1 to 99.9%
- Diode Test 3.2 V 3.2 V
- Continuity Audible Audible
- Dimensions/ Weight 6.7×3.2×1.9" (175×81×48.5 mm)/13.1 oz (370 g)



- Low Pass Filter (LPF) ensures accurate AC Voltage measurements on a variable frequency drive.

ORDERING

- EX350 **(N)** True RMS Multimeter + NCV
- EX355 **(N)** True RMS Multimeter + NCV + Temperature
- TL810 Electrical Test Lead Kit
- TL803 Standard Test Leads
- TP200 Type K Clamp Probe (212°F/100°C)



Verify Temperature output on HVAC units using Model EX355

Calibration Traceable to NIST

A NIST traceable certificate with data is available when you order your meter with Certificate Traceable to NIST. Look for this symbol **(N)** next to product part numbers.



EX360 Series CAT IV True RMS Multimeters + NCV + LoZ



Model EX360
Electrical DMM

Model EX363
HVAC DMM

Model EX365
Industrial DMM



Includes test leads, 9 V battery, holster with tilt stand and built-in magnet, and general purpose bead wire temperature probe (Model EX363)

Choose a CAT IV-600 V multimeter designed for Electrical, HVAC, or Industrial Applications with LoZ function for accurate Voltage readings

- True RMS for accurate AC measurements
- LoZ prevents false readings caused by ghost voltages
- Built-in Non-contact AC Voltage Detector (NCV) with LED indicator
- Smart Data Hold freezes the displayed reading and automatically updates the reading and alerts user (audibly and visually) if the measurement changes ± 50 counts
- Large white LED backlit display with 60-segment analog bargraph for viewing trends
- Peak Hold captures the highest reading
- Relative Mode for Capacitance Zero and offset adjustment
- Continuity beeper with visual alert; Auto Power off with disable
- CAT IV-600 V safety rating
- 2-year warranty

Model EX360 — for Electrical applications

- Frequency and Capacitance measurement

Model EX363 — for HVAC applications

- μ A function for HVAC flame rod measurements
- Type K Temperature
- Frequency and Capacitance measurement

Model EX365 — for Industrial/Commercial applications

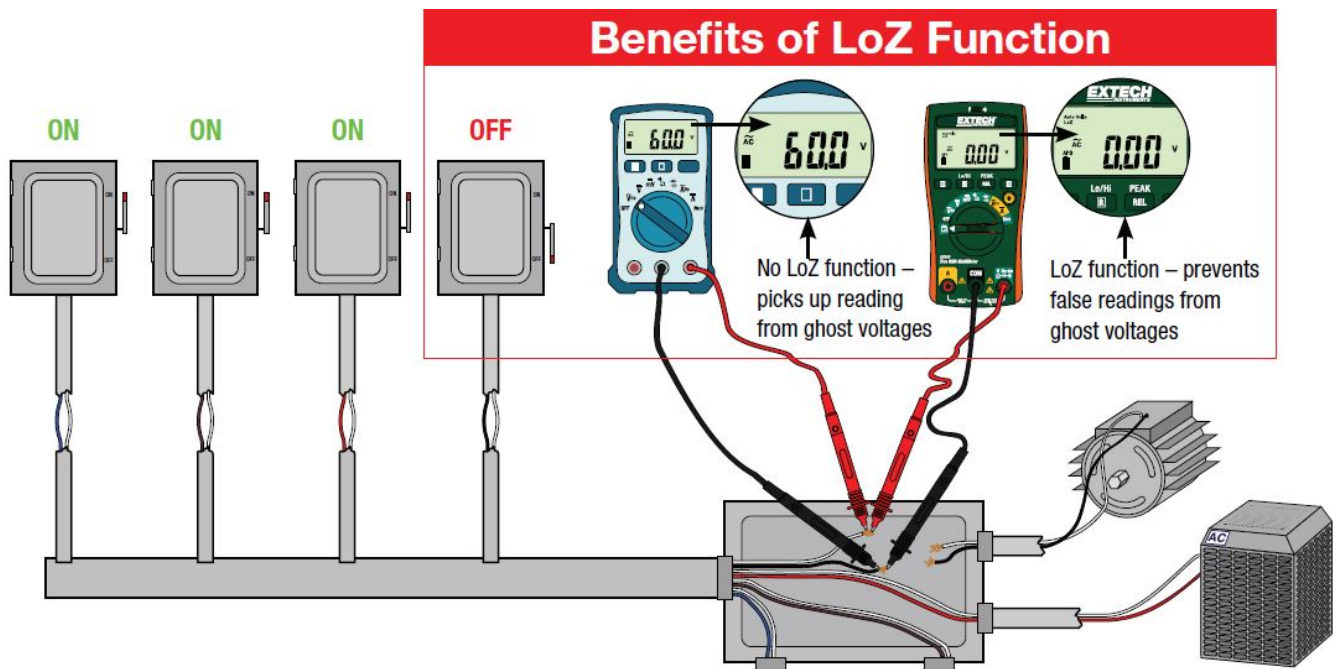
- 10 A AC/DC Current measurement with 11 A/1000 V high energy fuse
- Frequency and Capacitance measurement

SPECIFICATIONS EX360 EX363 EX365

- Display Count 6000 6000 6000
- Basic Accuracy (DCV) 0.5% 0.5% 0.5%
- NCV Detector Yes Yes Yes
- DC/AC Voltage 0.1 mV to 1000 V 0.1 mV to 1000 V 0.1 mV to 1000 V
- DC/AC Current — — 1 mA to 10 A
- DC/AC μ A Current — 600 μ A —
- Resistance 0.1 Ω to 40 M Ω 0.1 Ω to 40 M Ω 0.1 Ω to 40 M Ω
- Capacitance 1 nF to 10 mF 1 nF to 10 mF 1 nF to 10 mF
- Frequency 0.01 Hz to 100 kHz 0.01 Hz to 100 kHz 0.01 Hz to 100 kHz
- Temperature (Type K) — -40 to 742°F (-40 to 394°C) —
- Diode Test/Continuity Yes Yes Yes
- Dimensions/ Weight 6.5×3.2×1.7" (164x82x44 mm)/5.9 oz (450 g)

ORDERING

- EX360 **(N)** Electrical CAT IV True RMS Multimeter + NCV
- EX363 **(N)** HVAC CAT IV True RMS Multimeter + NCV
- EX365 **(N)** Industrial CAT IV True RMS Multimeter + NCV



EX400A Series Professional Multimeters



Models with or without the built-in Infrared Thermometer, auto or manual ranging, True RMS or averaging

- Large backlit LCD display with easy-to-read 1" digits
- Type K thermometer built-in for temperature measurements
- Low current capability: measure down to 0.1 μ A
- Input fuse protection and mis-connection warnings
- CAT III-600 V safety rating
- Complete with CAT III test leads, multi-position tilt stand and velcro strap for hanging, protective holster with test lead holder, bead wire temperature probe, and 9 V battery

Model EX410A (Manual Ranging)

- Averaging multimeter
- 2-year warranty

Model EX430A (Autoranging)

- True RMS for accurate AC measurements
- Relative function
- 3-year warranty

Model EX470A (Autoranging)

- Built-in non-contact Infrared (IR) Thermometer
- True RMS for accurate AC measurements
- Relative function
- 3-year warranty

SPECIFICATIONS EX410A EX430A EX470A

- Display Count 2000 4000 4000
- Temperature (IR) — — 58 to 518°F (-50 to 270°C)
- Averaging/True RMS Averaging True RMS True RMS
- Basic Accuracy (VDC) $\pm 0.5\%$ $\pm 0.3\%$ $\pm 0.3\%$
- AC Voltage 1 mV to 600 V 0.1 mV to 600 V 0.1 mV to 600 V
- DC Voltage 0.1 mV to 600 V 0.1 mV to 600 V 0.1 mV to 600 V
- AC Current 0.1 μ A to 10 A 0.1 μ A to 10 A 0.1 μ A to 10 A
- DC Current 0.1 μ A to 10 A 0.1 μ A to 10 A 0.1 μ A to 10 A
- Resistance 0.1 Ω to 20 M Ω 0.1 Ω to 40 M Ω 0.1 Ω to 40 M Ω
- Capacitance — 0.01nF to 100 μ F 0.01 nF to 100 μ F
- Frequency — 0.001 Hz to 10 MHz 0.001 Hz to 10 MHz
- Temperature (Type K) -4 to 1382°F (-20 to 750°C) -4 to 1382°F (-20 to 750°C) -4 to 1382°F (-20 to 750°C)
- Duty Cycle — 0.1% to 99.9% 0.1% to 99.9%
- Diode Test/Continuity Yes Yes Yes
- Dimensions/ Weight 7.4x3.2x2" (187x81x50 mm)/0.75 lbs (342 g)



Built-in non-contact IR Thermometer allows you to safely perform non-contact temperature scans.

ORDERING

- EX410A **(N)** Manual Ranging Multimeter
- EX430A **(N)** True RMS Autoranging Multimeter
- EX470A **(N)** True RMS Autoranging Multimeter + IR Thermometer
- TL810 Electrical Test Lead Kit
- TL803 Standard Test Leads
- TP200 Type K Clamp Probe (212°F/100°C)
- HG500 Magnetic Hanging Strap

Extech-exclusive Meters with Built-in IR Thermometer!

Our innovative design incorporates a built-in IR Thermometer. Look for the built-in IR Thermometer logo throughout this catalog.



Multimeters

Clamp Meters

Psychrometers

Humidity Meters

Moisture Meters

Tachometers

Air Flow Meters

EX500 CAT IV Heavy Duty True RMS Multimeters



Complete with double molded test leads, magnetic hanging strap, general purpose Type K bead wire temperature probe, soft case, and one 9 V battery

Waterproof (IP67)/drop proof (6.5 ft/2 m) rugged design for heavy duty use

- True RMS for accurate AC measurements
- 1000 V input protection on all functions
- Dual sensitivity frequency functions; Diode open circuit voltage of 2.8 V DC
- Auto Power Off with disable feature
- CAT IV-600 V safety rating
- 3-year warranty

Model EX505

- 4,000 count backlit LCD
- 0.5% basic accuracy
- Data Hold, Relative, and 10 A max Current

Model EX520

- 6000 count—high resolution backlit LCD
- 0.09% basic accuracy
- Min/Max, Data Hold, Relative, and 20 A max Current

Model EX530

- 40,000 count—highest resolution backlit LCD
- 0.06% basic accuracy
- Min/Max, Data Hold, Relative, 20 A max Current, and Peak Hold (AC only)



Waterproof (IP67) rugged double molded design for heavy duty application use

SPECIFICATIONS EX505 EX520 EX530

- Basic Accuracy $\pm 0.5\%$ $\pm 0.09\%$ $\pm 0.06\%$
- DC Voltage 0.1 mV to 1000 V DC 0.1 mV to 1000 V DC 0.01 mV to 1000 V DC
- AC Voltage 0.1 mV to 1000 V AC 1 mV to 1000 V AC 0.01 mV to 1000 V AC
- DC/AC Current 0.1 μA to 10 A 0.1 μA to 20 A 0.01 μA to 20 A
- Resistance 0.1 Ω to 40 M Ω 0.1 Ω to 40 M Ω 0.01 Ω to 40 M Ω
- Capacitance 0.01 nF to 100 μF 0.01 nF to 1000 μF 0.001 nF to 40 mF
- Frequency (electrical) 5 Hz to 1 kHz 10 Hz to 400 Hz 40 Hz to 400 Hz
- Frequency (electronic) 0.001 Hz to 10 MHz 0.001 Hz to 40 MHz 0.001 Hz to 100 MHz
- Temperature (Type K) -4 to 1382°F/-20 to 750°C -4 to 1382°F/-20 to 750°C -4 to 1382°F/-20 to 750°C
- Duty Cycle 0.1 to 99.9% 0.1 to 99.9% 0.1 to 99.9%
- Diode/Continuity Yes/Audible Yes/Audible Yes/Audible
- Dimensions/Weight 7.25x3.25x2.25" (184x83x57 mm)/12.3 oz (349 g)

ORDERING

- EX505 **(N)** True RMS Industrial Multimeter (4000 count)
- EX520 **(N)** True RMS Industrial Multimeter (6000 count)
- EX530 **(N)** True RMS Industrial Multimeter (40,000 count)
- TL810 Electrical Test Lead Kit
- TL805 Double Injected Test Leads
- HG500 Magnetic Hanging Strap

EX505-K Heavy Duty Industrial Multimeter Kit



CAT IV Multimeter and AC Voltage Detector With 8 piece test lead kit

- Kit includes EX505 True RMS waterproof (IP67)/drop-proof Multimeter, DV25 Dual Range Non-contact AC Voltage Detector + Flashlight, TL808 8-piece Professional Test Lead Kit, plus professional double-molded test leads, Type K thermocouple bead probe with banana input adaptor, and magnetic hanging strap
- Supplied in a soft carrying case that provides protection and organization for the meters and accessories
- Dimensions: 9.8x8x2" (248x203x51 mm); Weight: 1.2 lbs (544 g)

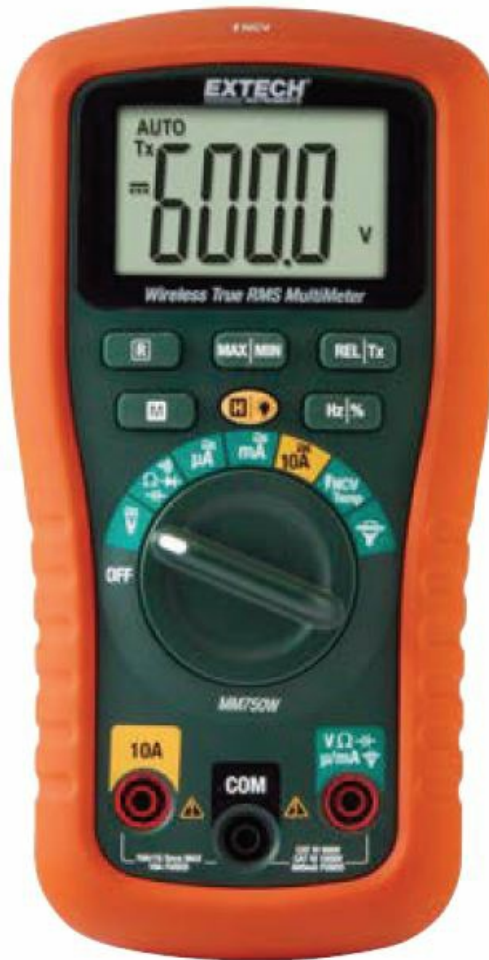
Model EX505: Industrial grade, CAT IV-600 V, 4000 count display, waterproof (IP67), CE/UL listed, drop-proof, rugged multimeter with True RMS functions (see p. 10)

Model DV25: Dual Range Non-Contact Voltage (NCV) Detector (24 to 1000 V AC/100 to 1000 V AC) + Flashlight with Audible/ Visual indication, and double-molded housing CAT IV-1000 V, CE/UL (see p. 28)

Model TL808: 8-Piece Professional Test Lead Kit with CAT III-1000 V rating.

ORDERING (VISIT WWW.EXTECH.COM FOR PRODUCT SPECIFICATIONS) EX505-K Heavy Duty Industrial Multimeter Kit

MM750W Wireless Datalogging CAT IV True RMS Multimeter



NEW



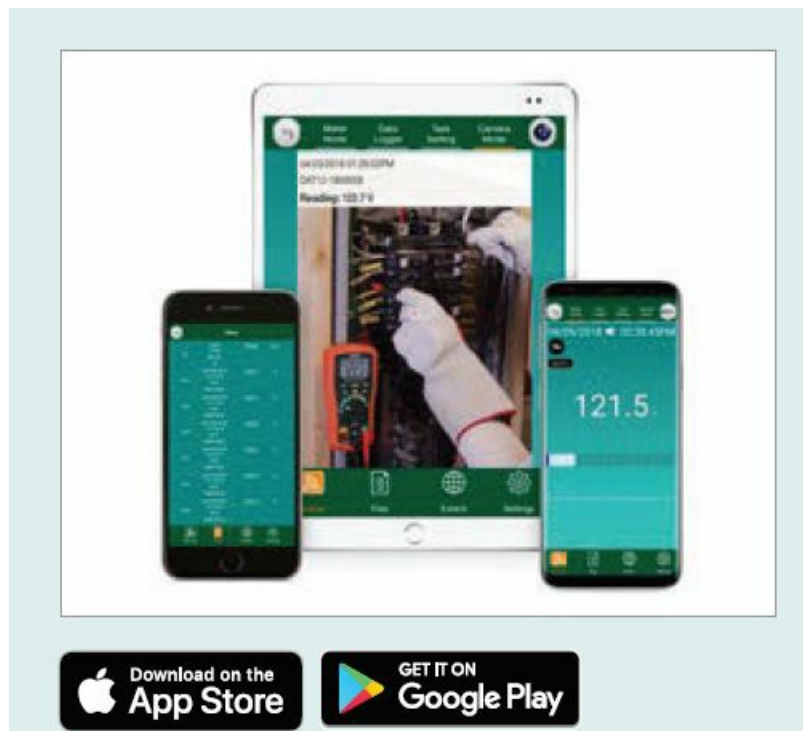
Using the Wireless connectivity feature, Bluetooth® datalogging module, and free app, you can transmit readings right to your iOS® or Android™ devices

Multimeter Features

- Wireless DMM function with Bluetooth Datalogging Module transmits readings to iOS and Android devices for remote viewing using the free app
- True RMS for accurate AC measurements
- Type K Temperature function
- Large backlit LCD display
- $\pm 0.6\%$ basic DCV accuracy
- Built-in Non-Contact AC Voltage Detector (NCV)
- AC μA function ideal for HVAC flame rod current measurement
- External clamp adapter input (1 mV=1 A; 600 A AC/DC max)
- MIN/MAX/DIF captures highest & lowest readings and the difference between them
- Relative Mode for Capacitance Zero and offset adjustment
- Data Hold freezes the reading on the display
- Auto Power Off with disable and low battery indicator
- CAT IV-600 V, CAT III-1000 V safety category
- 2 year warranty
- Complete with test leads, general purpose Type K bead wire temperature probe, Wireless Datalogging Module (DAT12), 9 V battery, and soft case

Wireless Datalogging Features

- Bluetooth Datalogging Module (DAT12) can record over 15k readings and transmit them to a smart device
- Free ExView® W-Series App, provides Wireless Data Streaming with real-time remote viewing of readings
- Adjustable sample rate and file size support most application needs
- Record data directly to phone or tablet
- Programmable High/Low audible alarms
- Export data in Excel® format
- Share data files and snapshots directly from application
- Take snapshots of the measurement area with your connected smart phone or tablet camera to capture measurement-related images and to document date/time stamps and measurement data



- Using the wireless feature, Bluetooth® Datalogging Module, and the free ExView® W-Series App, you can transmit readings in real-time to your smart devices, store over 15k readings for wireless transfer to generate a report/data analysis, add notes and readings to photos taken from your smart device camera, and use your smart device as a 2nd display for easy viewing or sharing.
- Download the Extech ExView™ W-Series App available on App Store or Google Play. NOTE: iOS/ Android device not included.
- Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.
- Google Play and the Google Play logo are trademarks of Google LLC.

SPECIFICATIONS RANGE MAX RESOLUTION BASIC ACCURACY

- Display Count 6000
- Non-Contact Voltage (NCV) >100 V AC
- AC Voltage 0.1 mV to 1000 V 0.1 mV $\pm 0.6\%$ of rdg ± 3 digits

- DC Voltage 0.1 mV to 1000 V 0.1 mV $\pm 0.6\%$ of rdg ± 2 digits
- AC Current 0.1 μ A to 10.00 A 0.1 μ A $\pm 0.15\%$ of rdg ± 5 digits
- DC Current 0.1 μ A to 10.00 A 0.1 μ A $\pm 0.12\%$ of rdg ± 5 digits
- AC μ A Current 0.1 μ A to 6000 μ A 0.1 μ A $\pm 0.15\%$ of rdg ± 5 digits
- DC μ A Current 0.1 μ A to 6000 μ A 0.1 μ A $\pm 0.12\%$ of rdg ± 5 digits
- Resistance 0.1 Ω to 60.00 M Ω 0.1 Ω $\pm 0.6\%$ of rdg ± 2 digits
- Capacitance 9.999 nF to 99.99 mF 0.001 nF $\pm 5\%$ of rdg ± 5 digits
- Frequency 9.999 Hz to 55.00 MHz 0.001 MHz $\pm 1.5\%$ of rdg ± 3 digits
- Temperature (Type K) -40 to 1832°F
- (-40 to 1000°C)
- $1^\circ \pm (2\% + 2^\circ\text{F}) / \pm (2\% + 2^\circ\text{C})$
- Duty Cycle 0.1 to 99.9% 0.10% $\pm 1.2\%$ of rdg ± 2 digits
- Diode Test 3.000 V 0.001 V $\pm 10\%$ of rdg ± 5 digits
- Continuity Audible
- Datalogging (with DAT12) 15,360 data points
- Dimensions/Weight 7.4×3.8×2.2" (188x96x56 mm) / 14.6 oz (415 g) without battery

ORDERING

- MM750W **(N)** Wireless Datalogging CAT IV True RMS Multimeter
- TL810 Test Lead Kit
- TL803 Standard Test Leads
- DAT12 Replacement Bluetooth® Wireless Datalogging Module

MG320/MG325 CAT IV Insulation Tester/True RMS Multimeters



Combines a portable Insulation Tester with a CAT IV True RMS Multimeter

- 5 Test Voltage ranges up to 1000 V
- Polarization Index (PI) and Dielectric Absorption Ratio measurements (DAR)
- Low Resistance measurement with Zero function
- Programmable Timer feature sets the duration of test
- Comparison Mode allows user to set the Pass/Fail values for insulation measurements
- Step Voltage (10% steps at 50% to 120% of range)
- Auto-discharge of voltage test signal
- Lock Power-On function for hands-free operation
- Manually store/recall up to 99 readings
- High voltage and overload indication
- Data Hold to freeze displayed reading
- Auto Power Off and low battery indication
- CAT IV-600 V safety category
- 2-year warranty

Model MG320

- Measures Insulation Resistance to 20 GΩ
- Backlit 6,000 count display with analog bargraph
- Complete with test leads, alligator clip, 6 x AA batteries, and soft case

Model MG325

- Measures Insulation Resistance to 200 GΩ
- Backlit 10,000 count display with analog bargraph
- View the Frequency (45 Hz ~ 400 Hz) of AC Voltage measurements
- Remote probe with built-in TEST button allows for quick on-spot testing
- LED high voltage and LCD overload indication
- Measures Leakage Current, Low Resistance, Capacitance, and Frequency
- Complete with remote probe, test leads, alligator clip, 6 x AA batteries, and soft case

SPECIFICATIONS MG320 MG325

- Insulation Resistance 50 MΩ, 100 MΩ, 200 MΩ, 500 MΩ,
- 2000 MΩ, 1 GΩ, 10 GΩ, 20 GΩ
- 50 MΩ, 100 MΩ, 200 MΩ, 500 MΩ,
- 2000 MΩ, 1 GΩ, 10 GΩ, 20 GΩ, 50 GΩ,
- 100 GΩ, 200 GΩ
- Insulation Test Voltages 50 V, 100 V, 250 V, 500 V, 1000 V 50 V, 100 V, 250 V, 500 V, 1000 V
- AC/DC Voltage 600 V 600 V
- Leakage Current — 2000 μA
- Resistance 20 kΩ 10 MΩ
- Low Resistance — 100 Ω
- Capacitance — 500 μF
- Frequency — 1 kHz
- Continuity Audible Audible
- Dimensions/ Weight 8.9×4.1×2.3" (225x103x59 mm)/1.5 lbs (0.7 kg)

ORDERING

- MG320 **(N)** CAT IV Insulation Tester/True RMS Multimeter
- MG325 **(N)** CAT IV Insulation Tester/ True RMS Multimeter with Remote Test Probe



Checking voltage on a lathe and insulation test on pump motor

DM220 CAT IV Pocket Multimeter + NCV



Includes test leads and two AAA batteries; 2-year warranty

Autoranging DMM with 4000 count LCD display, NCV and built-in Flashlight

- Non-Contact Voltage detection identifies live circuits
- Rugged double molded housing; CAT IV-600 V, CAT III-1000 V safety rating

SPECIFICATIONS RANGE MAX RESOLUTION BASIC ACCURACY (%RDG)

- DC/AC Voltage 600 V 0.1 mV DC/1 mV AC $\pm 0.8\%$ DC/ $\pm 1.5\%$ AC
- DC/AC Current 200 mA 0.1 μ A $\pm 2.0\%$ DC/ $\pm 2.5\%$ AC
- NC Voltage 100 to 600 VAC
- Resistance 40 M Ω 0.1 Ω $\pm 0.8\%$
- Frequency 10 kHz 0.001 Hz $\pm 2.0\%$
- Capacitance 200 μ F 0.001 nF $\pm 5.0\%$
- Duty Cycle 0.5 to 99% 0.5% $\pm (2.0\% \text{ reading} + 5 \text{ digits})$
- Diode/Continuity Yes/Audible

- Dimensions/Weight 4.72×2.2×1.6" (120x55x540 mm)/5.12 oz (145 g)

ORDERING

DM220 CAT IV Pocket Multimeter + NCV

MN35/MN36 Digital Mini Multimeters



Includes holster with stand,
Type K bead wire probe, battery,
and test leads; 2-year warranty



Autoranging or Manual ranging multimeters with Temperature function

- Large easy to read digital display

MN35 (Manual Ranging/ 8 Functions)

- 1.5 V and 9 V Battery test

MN36 (Autoranging/ 10 Functions)

- AC Current, Capacitance and Frequency measurements

SPECIFICATIONS MN35 BASIC ACCURACY MN36 BASIC ACCURACY

- DC Voltage 600 V (0.1 mV) $\pm 0.5\%$ 600 V (0.1 mV) $\pm 0.5\%$
- AC Voltage 600 V (0.1 V) $\pm 1.2\%$ 600 V (0.1 V) $\pm 1.2\%$
- DC Current 10 A (0.1 mA) $\pm 1.5\%$ 10 A (0.1 μ A) $\pm 1.2\%$
- AC Current — — 10 A (0.1 μ A) $\pm 1.5\%$
- Resistance 20 M Ω (0.1 $\mu\Omega$) $\pm 0.8\%$ 40 M Ω (0.1 $\mu\Omega$) $\pm 1.2\%$

- Capacitance — — 100 μ F (0.001 nF) \pm 3.0%
- Frequency — — 5 MHz (0.01 Hz) \pm 1.0%
- Temperature -4 to 1400°F (1°)
- -20 to 750°C
- \pm (1%+4°) -4 to 1400°F (1°)
- -20 to 750°C
- \pm (1%+4°)
- Battery Test 9 V and 1.5 V —
- Dimensions/Wt 5.43×2.83×1.5" (138x72x38 mm)/5.4 oz (153 g)

381676A Pen DMM with Non-Contact Voltage Detector



Includes test leads, two alligator clips, two 1.5 V AAA batteries, and soft case

Autoranging multimeter with non-contact voltage detection

- Autoranging with Data Hold, Range Hold, and Maximum Hold features
- CAT III-600 V; Auto power off, overload and low battery indication
- 2-year warranty

SPECIFICATIONS RANGE MAX RESOLUTION BASIC ACCURACY


- Non-contact Voltage >110 V AC
- AC/DC Voltage 200 mV, 2, 20, 200, 600 V 0.1 mV AC: \pm 0.8%; DC: 0.7%
- AC/DC Current 20 mA, 200 mA 0.01 μ A AC: \pm 2%; DC: 0.1.5%
- Resistance (Ω) 200, 2 k, 20 k, 200 k, 2 M, 20 M Ω 0.1 Ω \pm 0.8%
- Logic Test 0 to 1.5 V (Green LED), 1.5 to 3.5 V (LED off), 3.5 to 5 V (Red LED)
- Diode/Continuity Yes/Audible
- Dimensions/Weight 8.2×1.5×1.1" (208x38x29 mm)/4.6 oz (129 g)

ORDERING

- 381676A Pen DMM with Non-Contact Voltage Detector

For the name of your local stocking distributor, visit www.extech.com.

Documents / Resources



EXTECH EX300 Series Digital Multimeters [pdf] User Guide
EX300 Series Digital Multimeters, EX300 Series, Digital Multimeters, Multimeters

References

- 🦋 [Extech is now on FLIR.com | Teledyne FLIR](#)