15XP

A compact meter for electronics and test applications

Digital Multimeter



- 2000-count resolution
- Autoranging display
- VolTect™ non-contact voltage detection
- Magne-Grip™ holster with magnetic hanging strap
- TTL logic test
- Integrated tilt stand
- Resistance and continuity
- Diode test
- Data Hold freezes display
- 750 V AC/ 1000 V DC
- Triple safety rating protects against line surges and overvoltage conditions

The new Wavetek Meterman 15XP digital multimeter provides superior features and accuracy in a smaller form factor. The15 XP has unique features such as VolTect™ non-contact voltage (NCV) detection, logic test and our exclusive Magne-Grip™ holster that frees both hands for work. At less than $60.00 MSRP (US), the 15XP is the right choice for electronics engineers, technicians and field service.

15XP Specifications

DC Volts	
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V
Resolution	100 µV
Accuracy	± (0.5 % rdg + 1 dgt)
Input impedance	400 mV: > 100 MΩ; 4 V: 10 MΩ; 40 V ~ 1000 V: 9.1 MΩ
Overload protection	1000 VDC or 750 VAC rms
AC Volts (45 Hz - 500 Hz)	
Ranges	200 mV, 2 V, 20 V, 200 V, 750 V
Resolution	100 µV
Accuracy	± (1.5 % rdg + 5 dgts) 45 Hz ~ 100 Hz on 200 mV range
	± (1.5 % rdg + 5 dgts) on 2 V to 750 V ranges
Input impedance	400 mV: > 100 MΩ; 4 V: 10 MΩ; 40 V ~ 1000 V: 9.1 MΩ
Overload protection	1000 VDC or 750 VAC rms
DC Current	
Ranges	200 µA, 2000 µA, 20 mA, 200 mA, 2 A
Resolution	0.1 µA
Accuracy	± (1.0 % rdg + 2 dgt) on 200 µA to 200 mA ranges
	± (2.0 % rdg + 3 dgts) on 2 A range
Input protection	2 A/1000 V fast blow ceramic fuse 6.3 x 32 mm on A input
Burden voltage	500 mV max. (2 V max. on 2 mA, 200 mA ranges)
AC Current (45 Hz - 500 Hz)	
Ranges	200 µA, 2000 µA, 20 mA, 200 mA, 2 A
Resolution	0.1 µA
Accuracy	± (1.5 % rdg + 5 dgts) on 200 µA to 200 mA ranges
	± (2.5 % rdg + 5 dgts) on 2 A range
Input protection	2 A/1000 V fast blow ceramic fuse 6.3 x 32 mm on A input
Burden voltage	500 mV max. (2 V max. on 2 mA, 200 mA ranges)
Resistance	
Ranges	200 Ω, 2 kΩ, 20 kΩ, 200 kΩ, 2 MΩ, 20 MΩ
Resolution	100 mΩ
Accuracy	± (1.0 % rdg + 4 dgts) on 200 Ω to 2 MΩ ranges
	± (3.0 % rdg + 5 dgts) on 20 MΩ range
Open circuit volts	-0.45 V dc typical, (-1.2 Vdc on 200 Ω range)
Overload protection	1000 VDC or 750 VAC rms
Continuity	
Audible indication	Less than 25 Ω
Response time	100 ms
Overload protection	1000 VDC or 750 VAC rms

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VolTect™
Non-Contact
Voltage Detector



Magne-Grip™ holster frees both hands for work

Wavetek Meterman.
The right tool for the job™

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15XP Specifications *cont.*

Diode Test	
Test current	1.2 mA (approximate)
Accuracy	±(1.5 % rdg + 3 dgts)
Resolution	1 mV
Open circuit volts	3.0 dc typical
Overload protection	1000 VDC or 750 VAC rms
Logic Test	
Logic test	TTL
Thresholds Logic 1 (Hi)	2.8 V ± 0.8 V
Thresholds Logic 0 (Lo)	0.8 V ± 0.5 V
Test voltage	TTL 5 VDC
Frequency range	20 MHz
Pulse width	25 ns min
Duty cycle limits	> 30 % and < 70 %
Indication	40 ms beep at Logic 0 (Lo)
Overload protection	1000 VDC or 750 VAC rms
Non-Contact Voltage Indicator	
Sense voltage 70 V to 600 VAC (50 Hz ~ 60 Hz) beeper chirps and big bright red LED comes on, works on all ranges	

General Specifications

Display	3-1/2 digit liquid crystal display (LCD) with a maximum reading of 1999
Polarity	Automatic, positive implied, negative polarity indication
Overrange	(OL) or (-OL) is displayed
Zero	Automatic
Low battery indication	The " " is displayed when the battery voltage drops below the operating level
Auto power off	Approx. 10 minutes
Measurement rate	2 times per second, nominal
Operating environment	0 °C to 50 °C at <70 % R.H.
Storage temperature	-20 °C to 60 °C, 0 to 80 % R.H. with battery removed from meter
Accuracy	Stated accuracy at 23 °C ± 5 °C, <75 % relative humidity
Temperature coefficient	0.1 x (specified accuracy) per °C (0 °C to 18 °C, 28 °C to 50 °C)
Altitude	6561.7 feet (2000 M)
Power	Single standard 9 volt battery, NEDA 1604, JIS 006P, IEC 6F22
Battery life	200 hours typical with carbon-zinc
Dimensions	155 mm (H) x 72 mm (W) x 32 mm (D)
Weight	Approx. 210 g including battery
Safety	Designed to meet IEC 1010-1, Rev-2 CAT I 1000 V, CAT II 600 V, CAT III 300 V, class 2 and pollution deg. 2 indoor use. Complies with CE, and CSA 22.2 No. 1010-1 requirements
Auxiliary Features	
Data hold	Freeze the latest reading on the display
Range	Execute manual range mode
Auto power off	After auto power off, press (RANGE), (HOLD) button to restart the meter, and the last reading of measurement will be maintained in the display
A jack	Input warning detects wrong connection
Included Accessories	
One pair test leads TL245, fuse 2 A/1000 V P/N FP200, 9 V battery (installed), operating instructions, holster and magnet strap	

CAT I 1000 V · CAT II 600 V · CAT III 300 V · C SP US · CE

WARRANTY NO HASSLE PROGRAM