5XP

A compact full-purpose meter



The new Wavetek Meterman 5XP digital multimeter provides superior features and accuracy in a smaller form factor. The 5XP has unique features such as VolTect™ non-contact voltage (NCV) detection and our exclusive Magne-Grip™ holster that frees both hands for work. The 5XP is the right choice for residential, commercial and general troubleshooting applications.

- 27 ranges/10 functions
- VolTect™ non-contact voltage detection
- Magne-Grip™ holster with magnetic strap
- Large digital display is easier to read
- 750 V AC/ 1000 V DC
- 2000 count resolution
- Resistance and continuity
- Battery load test with 1.5 V and 9 V capabilities
- MixMax record minimum and maximum values
- Data Hold freezes display
- Triple safety rating

5XP Specifications

DC Volts	
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V
Resolution	100 µV
Accuracy	± (1.0 % rdg + 1 dgt)
Input impedance	10 MΩ
Overload protection	Range – 200 mV: 1000 VDC/750 VAC rms (3 minutes)
	Other ranges: 1000 VDC/750 VAC rms
AC Volts (45 Hz - 500 Hz)	
Ranges	200 m, 2 V, 20 V, 200 V, 750 V
Resolution	100 µV
Accuracy	± (1.5 % rdg + 5 dgts)
Input impedance	10 MΩ
Overload protection	200 mV range: 1000 VDC/750 VAC rms (3 minutes)
	Other ranges: 1000 VDC/750 VAC rms
DC Current	
Ranges	200 µA, 2 mA, 20 mA, 200 mA
Resolution	0.1 µA
Accuracy	± (1.5 % rdg + 1 dgt)
Input protection	315 mA/1000 V fast blow ceramic fuse 6.3 x 32 mm on mA input
Burden voltage	300 mV max. (1 V max. on 200 mA range)
AC Current (45 Hz - 500 Hz)	
Ranges	200 µA, 2 mA, 20 mA, 200 mA
Resolution	0.1 µA
Accuracy	± (2.0 % rdg + 5 dgts)
Input protection	315 mA/1000 V fast blow ceramic fuse 6.3 x 32 mm on mA input
Burden voltage	300 mV max. (1 V max. on 200 mA range)
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 200 kΩ ranges
	± (1.5 % rdg + 4 dgts) on 2 MΩ ranges
	± (2.0 % rdg + 5 dgts) on 20 MΩ range
Open circuit volts	0.3 Vdc typical, (3.0 Vdc on 200 Ω range)
Overload protection	1000 VDC or 750 VAC rms
Continuity	
Audible indication	75 Ω ± 25 Ω
Response time	100 ms
Overload protection	1000 VDC or 750 VAC rms

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Digital Multimeter





Magne-Grip™ holster frees both hands for work

5XP Specifications *cont.*

Diode Test	
Test current	1.0 mA (approximate)
Accuracy	± (1.5 % rdg + 3 dgts)
Resolution	1 mV
Open circuit volts	3.0 Vdc typical
Overload protection	1000 VDC or 750 VAC rms
Battery Test	
Ranges	1.5 V, 9 V
Resolution	1 mV, 10 mV
Accuracy	± (3.5 % rdg + 2 dgts)
Loaded current	150 mA typical for 1.5 V range, 5 mA typical for 9 V range
Overload protection	1000 VDC or 750 VAC rms on 9 V range, on VΩ input
	315 mA/1000 V fast blow ceramic fuse on 1.5 V range, on mA input
Non-Contact Voltage Indicator	
Sense voltage 70 V to 600 VAC 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
Measurement rate	2.5 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	
Min/Max	Records the maximum reading in a measurement, records the minimum reading in a measurement
Data hold	Freeze the latest reading on the display
mA jack	Input warning detects wrong connection
Included Accessories	
One pair test leads TL245, fuse 315 mA/1000 V (installed) P/N FP300, 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

Wavetek Meterman. The right tool for the job™

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