

Wavetek Meterman Catalog Data Sheet

Model 38XR Autoranging Digital Multimeter

- ❑ Measures 4 to 20 mA loop current, Capacitance, Temperature, Frequency, Duty Cycle and dBm
- ❑ RS232 Output Capability, Software and cable optional
- ❑ 10,000 Count, Peak Hold, Data Hold, Min/Max/Avg and Rel
- ❑ AC+ DC Input Coupling
- ❑ Backlight
- ❑ Ships with Magne-Grip™ Holster, Type K Thermocouple, Alligator Clips and leads
- ❑ CAT III 1000V, CAT IV 600V Rated, CE
- ❑ UL and cUL Listed
- ❑ Three Year Warranty

DC VOLTS

Ranges: 1000mV, 10V, 100V, 1000V

Accuracy: All ranges, $\pm (0.25\% \text{ rdg} + 3 \text{ dgts})$

Resolution: 100 μ V in 1000mV range

AC VOLTS TRUE RMS (45Hz - 2kHz)

Ranges: 1000mV, 10V, 100V, 750V

Accuracy: $\pm (0.75\% \text{ rdg} + 8 \text{ dgts})$

Resolution: 100 μ V in 1000mV range

AC coupled true RMS specified from 5% to 100%

AC+DC VOLTS (45Hz to 2kHz)

Ranges: 1000mV, 10V, 100V, 750V

Accuracy: $\pm (1.5\% \text{ rdg} + 8 \text{ dgts})$

Resolution: 100 μ V in 1000mV range

DC coupled true RMS specified from 5% to 100%

DC CURRENT

Ranges: 1000 μ A, 10mA, 100mA, 400mA, 10A

Accuracy: $\pm (0.5\% \text{ rdg} + 5 \text{ dgt})$

Resolution: 0.1 μ A in 1000 μ A range

AC CURRENT TRUE RMS (45Hz - 1kHz)

Ranges: 1000 μ A, 10mA, 100mA, 400mA, 10A

Accuracy: $\pm (1.5\% \text{ rdg} + 8 \text{ dgts})$

Resolution: 0.1 μ A in 1000 μ A range

AC + DC CURRENT TRUE RMS (45Hz - 1kHz)

Ranges: 1000 μ A, 10mA, 100mA, 400mA, 10A

Accuracy: $\pm (2.0\% \text{ rdg} + 8 \text{ dgts})$

Resolution: 0.1 μ A in 1000 μ A range

DC coupled true RMS specified from 5% to 100%

4 to 20mA DC CURRENT

Range: 0 to 100%, Accuracy: $\pm 0.5\%$

GENERAL

4 digit LCD, 10,000 counts

41 segment analog bargraph

Low battery indication, Auto Power Off

Dimensions: 195 x 91 x 60mm (7.7" x 3.5" x 2.4"). Weight: Approx. 426gr. (0.94 lb.) including battery.

Shipped with test leads, 9V battery (installed), Magne-Grip™ Holster with Hanging Magnet strap, Type K thermocouple probe, Temperature adapter, spare fuse, and Operating Instructions

RS-St.No. 450-5290 (38XR)

RS-St.No. 450-5307 (Software & Cable for 38XR)

RESISTANCE

Ranges: 1000, 10k, 100k,

1000k, 10M, 100M Ω

Accuracy: $\pm (0.5\% \text{ rdg} + 4)$

Resolution: 100m Ω

CAPACITANCE

Ranges: 40nF, 400nF, 4 μ F, 40 μ F, 400 μ F

Accuracy: $\pm (3.0\% \text{ rdg} + 5 \text{ dgts})$

Resolution: 0.01 nF in 40 nF range

TEMPERATURE (Type K)

Ranges: -20 °C to 1000 °C, -4 °F to 1832 °F (3999 counts)

Accuracy: °C: $\pm (2.0\% \text{ rdg} + 2 \text{ }^{\circ}\text{C})$; °F: $\pm (2.0\% \text{ rdg} + 4 \text{ }^{\circ}\text{F})$

Resolution: 1°C, 1°F

FREQUENCY

Ranges: 1000Hz, 10kHz, 100kHz, 1MHz, 10MHz, 40MHz

Accuracy: All ranges $\pm (0.1\% \text{ rdg} + 5 \text{ dgts})$

Resolution: 0.1Hz in 1000 Hz range

DUTY CYCLE

Range: 0 to 90%, Resolution: 0.1%

dBm (50 W REF)

Range: -50 to + 50 dBm

Accuracy: $\pm (0.5 \text{ dB} + 8 \text{ dgts})$ (45 Hz to 20 kHz)

Resolution: 0.01 dBm

CONTINUITY & DIODE TEST

RS232

Meter output: Optical

Software and Cable Optional Accessory, P/N 38SW

