

Model 35XL

Digital Multimeter



- General purpose autoranger
- 8 functions/26 ranges
- Large digital and analog bargraph display
- Long, 1000-hour battery life
- Auto-off preserves batteries
- Data Hold
- Capacitance
- 3200-count
- CAT III 600 V rated

35XL Specifications (at 23 °C ± 5 °C, < 75 % R.H. non-condensing)

DC Voltage	
Ranges	320mV, 3.2V, 32V, 320V, 600V
Accuracy	All ranges: ± (0.5 % rdg + 1dgt)
Resolution	100µV in 320mV range
Input Impedance	320 mV range: > 1000 MΩ 3.2 V range: 11 MΩ 32 V-600 V range: 10 MΩ
AC Voltage (50-500 Hz) <i>Accuracies apply to sine wave inputs only</i>	
Ranges	3.2 V, 32 V, 320 V, 600 V
Accuracy	3.2 V (50-300 Hz): ± (2.0 % rdg + 4 dgts) other (50-500 Hz): ± (2.0 % rdg + 4 dgts)
Input Impedance	3.2 V range: 11 MΩ 32 V-600 V range: 10 MΩ
DC Current	
Ranges	320 µA, 3200 µA, 32 mA, 320 mA, 10 A
Accuracy	± (2.5 % rdg + 4 dgts)
Resolution	100 nA in 320 µA range
Burden Voltage	µA range: 0.5 mV/1 µA mA range: 5.5 mV/1 mA 10 A range: 30 mV/1 A
AC Current (50-500 Hz)	
Ranges	320 µA, 3200 µA, 32 mA, 320 mA, 10 A
Accuracy	320 µA - 3200 µA: ± (2.5 % rdg + 4 dgts) 32 mA-10 A: ± (3.5 % rdg + 4 dgts)
Resolution	100 nA in 320 µA range
Burden Voltage	See DC Current
Resistance	
Ranges	320 Ω, 3.2 kΩ, 32 kΩ, 320 kΩ, 3.2 MΩ, 30 MΩ
Accuracy	10 - 320 Ω: ± (2.0 % rdg + 3 dgts) 3.2 k-320 kΩ: ± (1.5 % rdg + 3 dgts) 3.2 MΩ: ± (2.5 % rdg + 3 dgts) 30 MΩ: ± (5 % rdg + 5 dgts)
Resolution	100 mΩ in 320 Ω range
Test Voltage	+ 1.2 V DC
Diode	
Test Current	600 µA
Test Voltage	3.2 V DC
Continuity Indicator	
Audible Indication	tone < 20 Ω
Capacitance	
Ranges	32 µF, 320 µF, 3.2 mF, 32 mF
Accuracy	All ranges: ± (5.0 % rdg + 20 dgts)
Resolution	0.01 µF in 32 µF range
Test Frequency	5.1 Hz
Overload Protection	
Voltage	600 V DC/600 V AC rms
Current	µA, mA Input: 0.5 A/250 V fast blow fuse ceramic, size 6.35 x 25.4 mm 10A Input: 10 A/250 V fast blow ceramic, size 10 x 38 mm UL listed
Capacitance	0.1 A/250 V fast blow fuse, 5 x 20 mm
Diode, Resistance	500 V DC or V AC rms

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General Specifications

Display: 3¾ digit LCD, 3200 counts; **Display Update Rate:** 2/sec, nominal; **Power:** Standard 9 V battery, NEDA 1604, JIS 006P, IEC 6F22; **Battery Life:** 300 hours (alkaline); **Operating Temperature:** 0 °C to + 50 °C, 0 to 70 % R.H.; **Storage Temperature:** - 20 °C to 60 °C, 0 to 80 % R.H. battery removed; **Dimensions (HxWxD):** 15.5 x 7.2 x 3.2 cm (6.1" x 2.8" x 1.3"); **Weight (incl. Battery):** 210 grams (8 oz.); **Included Accessories:** Test leads, operators manual, holster

Features

Data Hold: Holds the display reading for all functions and ranges; **Range Selection;** DC/AC Function Button; **Low Battery Indication;** **Auto Power-Down** after 10 min. inactivity; **Warranty:** One-year

Optional Accessories

H10Y Protective Holster; **VC30** Vinyl Case; **DL243C** Basic Test Lead Kit; **DL248C** Deluxe Test Lead Kit; **TL35A** Test Lead Set with Alligator Clips

For additional accessories, see the Accessories Compatibility Guide at www.metermantesttools.com



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Meterman Test Tools

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