

XL Series

3³/₄ Digit, Analog and Digital Display, Low-Cost, Auto-ranging DMMs

- ◆ Low-Cost, Small-Size
- ◆ 15mm (0.6 inch) High Digits and 32 Segment Bargraph
- ◆ Reliable and Rugged for Field Service
- ◆ Fused Current Inputs
- ◆ Auto-Off Feature
- ◆ Long, 1000 Hour Battery Life
- ◆ Data Hold
- ◆ Capacitance (DM35XL)



The new DM30XL and DM35XL are the low-cost solution in performance, auto-ranging DMMs.

These two meters are encased in our small, popular XL size package and offer excellent 0.5% accuracy. Their higher resolution, large character, 3200-count digital and 32-segment analog bargraph displays assure maximum readability.

Meters include measuring functions for DC and AC Voltage, DC and AC current, resistance from 320Ω to 30 MΩ, diode test, and continuity test. The Model DM35XL adds capacitance measuring capability.

Both meters feature fully-fused current input jacks, incorrect input warning, 10 minute auto-off, and data hold button. Safety test leads, battery, Operator's Manual, and an extra fuse are included. Accessory holster/tilt stand, H10, is optionally available (see page 34).

XL Series Specifications (at 23°C ±5°C; <70% R.H.)

MODEL		DM30XL	DM35XL
DC Voltage	Ranges	320mV, 3.2V, 32V, 600V	320mV, 3.2V, 32V, 600V
	Accuracy	±0.5%rdg ±1dgt	±0.5%rdg ±1dgt
	Resolution	100μV	100μV
	Input Imped.	>1000MΩ	>1000MΩ
	320mV	11MΩ	11MΩ
	32V	10MΩ	10MΩ
	>32V		
AC Voltage (50 - 500Hz)			
	Ranges	3.2V, 32V, 320V, 600V	3.2V, 32V, 320V, 600V
	Accuracy	±2%rdg ±4dgt	±2%rdg ±4dgt
	Input Impedance	11MΩ	11MΩ
	>32V	10MΩ	10MΩ
DC Current	Ranges	320μA, 3200μA, 32mA, 320mA, 10A	320μA, 3200μA, 32mA, 320mA, 10A
	Accuracy	2.5%rdg ±1dgt	2.5%rdg ±1dgt
	Resolution	100nA	100nA
AC Current (50 - 500Hz)	Ranges	320μA, 3200μA, 32mA, 320mA, 10A	320μA, 3200μA, 32mA, 320mA, 10A
	Accuracy	±2.5%rdg ±4dgt	±2.5%rdg ±4dgt
	32mA-10A	±3.5%rdg ±4dgt	±3.5%rdg ±4dgt
	Resolution	100nA	100nA
Resistance	Ranges	320Ω, 32KΩ, 320KΩ, 3.2MΩ, 32MΩ	10-320Ω, 32KΩ, 320KΩ, 3.2MΩ, 32MΩ
	320Ω	±2.0%rdg ±3dgt	±2.0%rdg ±3dgt
	3.2K to 320KΩ	±1.5%rdg ±3dgt	±1.5%rdg ±3dgt
	3.2MΩ	±2.5%rdg ±3dgt	±2.5%rdg ±3dgt
	30MΩ	±5.0%rdg ±5dgt	±5.0%rdg ±5dgt
Diode Test Voltage/Current		3.2VDC/0.6mA	0.6mA/3.2VDC
Continuity Test		Tone <20Ω	Tone <20Ω
Capacitance	Ranges	—	32μF, 320μF, 3.2mF, 32 mF
	Accuracy	—	±5%rdg ±20dgt

OVERLOAD PROTECTION

Voltage: 600 VDC or AC RMS, all ranges AC and DC; **Amps:** (320mA jack) 0.5A/250V fast blow ceramic fuse, (10A jack) 10A/600V fast blow ceramic fuse; **Resistance:** 500VDC or AC RMS; **Capacitance:** 0.1A/250V fuse (DM35XL); **Continuity:** 500VDC or AC RMS

GENERAL

Display: 3³/₄ digit (3200 counts), 32 segment bargraph, LCD; **Display Update Rate:** 2/second nominal, bargraph 12/second; **Low Battery Indication:** battery symbol in LCD; **Operating Temperature:** 0° to 50°C, 0 to 70%RH, non-condensing; **Storage Temperature:** -20° to 60°C, 0 to 80% RH, non-condensing (battery removed); **Battery Type/Life:** Standard 9V Battery, NEDA 1604 / IEC6F22 / JIS009P, (DM30XL) 1500 hours w/alk or 1000 hours w/carbon-zinc, (DM35XL) 500 hours w/alk or 300 hour w/carbon-zinc, Power-Off automatic after 10 minutes inactive; **Dimensions (HxWxD):** 15.5cm x 7.2cm x 3.2cm (6.1" x 2.8" x 1.3"); **Weight (including battery):** 170g (6.5 oz); **Included Accessories:** One pair safety test leads, 9V battery, spare fuse and Operator's Manual; **Agency Approvals:** IEC1010-1, Cat.III; **CE**; **Warranty:** One year.