

## 3<sup>3</sup>/<sub>4</sub> 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
<b>DC Voltage</b>	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
<b>AC Voltage (50 - 500Hz)</b>	Ranges	3.2V, 32V, 320V, 600V	3.2V, 32V, 320V, 600V
	Accuracy	±2%rdg ±4dgt	±2%rdg ±4dgt
	Resolution	11MΩ	11MΩ
	Input Impedance	10MΩ	10MΩ
<b>DC Current</b>	Ranges	320μA, 3200μA, 32mA, 320mA, 10A	320μA, 3200μA, 32mA, 320mA, 10A
	Accuracy	2.5%rdg ±1dgt	2.5%rdg ±1dgt
	Resolution	100nA	100nA
		320μA, 3200μA, 32mA, 320mA, 10A	320μA, 3200μA, 32mA, 320mA, 10A
<b>AC Current (50 - 500Hz)</b>	Ranges	320μA, 3200μA, 32mA, 320mA, 10A	320μA, 3200μA, 32mA, 320mA, 10A
	Accuracy	±2.5%rdg ±4dgt	±2.5%rdg ±4dgt
		±3.5%rdg ±4dgt	±3.5%rdg ±4dgt
	Resolution	100nA	100nA
<b>Resistance</b>	Ranges	320Ω, 32KΩ, 320KΩ, 3.2MΩ, 32MΩ	10-320Ω, 32KΩ, 320KΩ, 3.2MΩ, 32MΩ
	Accuracy	±2.0%rdg ±3dgt	±2.0%rdg ±3dgt
		±1.5%rdg ±3dgt	±1.5%rdg ±3dgt
		±2.5%rdg ±3dgt	±2.5%rdg ±3dgt
<b>Diode Test Voltage/Current</b>		±5.0%rdg ±5dgt	±5.0%rdg ±5dgt
		3.2VDC/0.6mA	0.6mA/3.2VDC
	<b>Continuity Test</b>	Tone <20Ω	Tone <20Ω
	<b>Capacitance</b>		32μF, 320μF, 3.2mF, 32 mF
<b>Capacitance</b>	Ranges	—	—
	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:** 3<sup>3</sup>/<sub>4</sub> 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.