

Model 15XL

Digital Multimeter



- Full AC/DC DMM with logic test
- Most popular XL model
- 8 functions/30 ranges
- 2000-count
- CAT II 1000 V rated

15XL Specifications (at 23 °C±5 °C, <75 % R.H. non-condensing)

DC Voltage	
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V
Accuracy	± (0.5 %rdg+1dgt)
Resolution	100 µV in 200 mV range
Input Impedance	10 MΩ
AC Voltage (50-500 Hz)	
Ranges	200 mV, 2 V, 20 V, 200 V, 750 V
Accuracy	200 mV - 200 V ± (1.0 %rdg+4 dgts) 750 V ± (1.5 %rdg+4 dgts)
Input Impedance	10 MΩ
DC Current	
Ranges	200 µA, 2 mA, 20 mA, 200 mA, 10 A
Accuracy	200 µ-200 mA ± (1.0 %rdg+1 dgts) 10 A ± (2.0 %rdg+3 dgts)
Resolution	100 nA in 200 µA range
Burden Voltage	200 µA range: 1 mV/1 µA 2 mA range: 100 mV/1 mA 20 mA range: 10 mV/1 mA 200 mA range: 2 mV/1 mA 10 A range: 31 mV/1A
AC Current (50-500 Hz)	
Ranges	200 µA, 2 mA, 20 mA, 200 mA, 10 A
Accuracy	200 µA - 200mA ± (1.5 %rdg+4 dgts) 10 A ± (2.5 %rdg+4 dgts)
Resolution	100 nA in 200 µA range
Voltage Burden	See DC Current
Resistance	
Ranges	200 Ω, 2 kΩ, 20 kΩ, 200 kΩ, 2000 kΩ, 20 MΩ, 2000 MΩ
Accuracy	200 Ω ± (1.0 %rdg+3 dgts) 2k-2 MΩ ± (1.0 %rdg+1 dgt) 20 MΩ ± (3.0 %rdg+1 dgt) 2000 MΩ ± [(5.0 %rdg - 10 dgts) + 10 dgts]
Resolution	100 mΩ in 200 Ω range
Open Circuit Voltage	200 Ω range 3.0 VDC typical All other ranges 0.3 VDC
Diode Test	
Test Current	1 mADC
Test Voltage	3.2 V
Display	Forward Junction Voltage
Continuity Test	
Audible Threshold	< 75 Ω
Response Time	< 100 msec

Model 15XL

Digital Multimeter

15XL Specifications (at 23 °C±5 °C, <75 % R.H. non-condensing) *cont.*

Logic Test	
Logic Type	TTL
Input Impedance	120 kΩ ± 10 kΩ
Logic Thresholds	Logic 1: 2.8 ± 0.8 V Logic 0: 0.8 ± 0.5 V
Maximum Frequency	20 MHz
Pulse Width Detectable	25 ns min
Duty Cycle	20 % to 80 %
Overload Protection	
DC Voltage	200 mV: 350 VAC/500 VDC (15sec) All other ranges: 750 V RMS/1000 VDC (60sec)
AC Voltage	200 mV: 350 VAC/500 VDC (30sec) All other ranges: 750 V RMS/1000 VDC (60sec)
Current	200 mA Input: 0.5 A/250 V fast blow ceramic, size 6.35x25.4 mm 10 A Input: 10 A/250 V fast blow ceramic, size 10x38 mm UL listed
Resistance	All ranges: 500 VDC or VAC RMS
Continuity, Logic Test	500 VDC or AC RMS

General Specifications

Display: 3 1/2 digit LCD, 1999 counts; **Display Update Rate:** 3/sec, nominal; **Power:** Standard 9-volt 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
Low Battery Indication; 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



Meterman.
The right tool for the job.™

Meterman Test Tools
website: www.metermantesttools.com
email: info@metermantesttools.com
6920 Seaway Blvd.
Everett, WA 98203
fax: 425-446-4882
tel: 877-596-2680

Meterman Test Tools Europe
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

©2002 Meterman Test Tools. All rights reserved.
Printed in U.S.A. 1/2002 1646470 D-ENG-N Rev A