

## Digital multimeters for difficult environments



- Proven, highly resistant casing with IP67 sealing and separate battery/fuse compartment
- Casing and circuits made of self-extinguishing materials
- Highly resistant protective sheath with stand/hooking system
- 2,000-count display 17 mm high (MX 20HD), or backlit 4,000-count display (MX 44HD)
- Quick 42-segment analogue bargraph, 20 meas./sec (MX 44HD)
- Basic accuracy for Vdc 0.8 % (MX 20HD) or 0.3 % (MX 44HD)
- DATA HOLD mode, diode test, continuity test with buzzer, plus REL mode for MX 44HD
- 250-hour battery life with 2 x 1.5 V batteries (MX 20HD), or 500 hours with one 9 V battery (MX 44HD)
- High-level electrical protection: 1,000 V/Cat. I - 600 V/Cat. II (MX 20HD), 1,000 V/Cat. II - 600 V/Cat. III (MX 44HD)

A Brand of

## MX 20HD - MX 44HD:

Technical specifications	MX 20HD	MX 44HD
<b>DC VOLTAGES</b>		
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V	400 mV, 4 V, 40 V, 400 V, 1000 V
Resolution	100 $\mu$ V, 1 mV, 10 mV, 100 mV, 1 V	
Accuracy	0.8 %R + 4 D	0.3 %R + 1 D
Input impedance	>1000 M $\Omega$ , 11 M $\Omega$ , 10 M $\Omega$ , 10 M $\Omega$ , 10 M $\Omega$	100 M $\Omega$ , 9.1 M $\Omega$ , 9.1 M $\Omega$ , 9.1 M $\Omega$ , 9.1 M $\Omega$
<b>AC &amp; AC+DC VOLTAGES</b>		
Range	2 V, 20 V, 200 V, 750 V	400 mV, 4 V, 40 V, 400 V, 750 V
Resolution	1 mV, 10 mV, 100 mV, 1 V	100 $\mu$ V, 1 mV, 10 mV, 100 mV, 1 V
Bandwidth	DC at 500 Hz	DC at 1 kHz
Basic accuracy	1 %R + 8 D	0.8 %R + 3 D
Input impedance	11 M $\Omega$ , 10 M $\Omega$ , 10 M $\Omega$ , 10 M $\Omega$	100 M $\Omega$ , 10 M $\Omega$ , 9.1 M $\Omega$ , 9.1 M $\Omega$ , 9.1 M $\Omega$
<b>DC CURRENTS</b>		
Range	20 mA, 200 mA, 10 A	40 mA, 10 A
Resolution	10 $\mu$ A, 100 $\mu$ A, 10 mA	0.01 mA, 10 mA
Basic accuracy	1.2 %R + 1 D	0.8 %R + 2 D
<b>AC &amp; AC+DC CURRENTS</b>		
Range	20 mA, 200 mA, 10 A	40 mA, 10 A
Resolution	10 $\mu$ A, 100 $\mu$ A, 10 mA	0.01 mA, 10 mA
Bandwidth	DC at 500 Hz	DC at 1 kHz
Basic accuracy	1.5 %R + 8 D	1.2 %R + 4 D
<b>RESISTANCE &amp; CONTINUITY</b>		
Range	200 $\Omega$ , 2 k $\Omega$ , 20 k $\Omega$ , 200 k $\Omega$ , 2 M $\Omega$ , 20 M $\Omega$	400 $\Omega$ , 4 k $\Omega$ , 40 k $\Omega$ , 400 k $\Omega$ , 4 M $\Omega$ , 40 M $\Omega$
Resolution	0,1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 100 $\Omega$ , 1 k $\Omega$ , 10 k $\Omega$	
Basic accuracy	0.8 %R + 4 D	0.3 %R + 1 D
Continuity detection	Buzzer – Protection 380 Vac	Buzzer – Threshold < 40 $\Omega$ à 20 $\Omega$ – Response < 100 ms
<b>DIODE TEST</b> Diode voltage test	1.2 V to 1.8 V	0 to 3 V
<b>CAPACITANCE</b>		
Range	4 nF to 40 $\mu$ F	
Basic accuracy	2 %R + 4 D	
Display	2,000 counts – 7 segments – 2 meas./s – Height of digits 17 mm	4,000 counts – 7 segments – 2 meas./s – Height of digits 14 mm
Bargraph	42 segments – 20 meas./s	
Safety & Certification	IEC 1010-1 Cat. I, 1,000 V – Cat. II, 600 V	IEC 1010-1 Cat. III, 600 V – Cat. II, 1,000 V
Temperature	Operation: 0 °C to +40 °C – Storage: -20 °C to +60 °C	
Power supply	2 x 1.5 V batteries (R6)	9 V alkaline battery (6LF22 or 6LR61)
Battery life	250 hours	500 hours – Auto-shutdown 30 min
Mechanical specifications	Dimensions 189 x 82 x 40 mm – Weight 400 g – Ingress protection IP67	

### To order:

**MX0020HD:** MX 20HD multimeter delivered in blister pack with 1 set of safety test probe leads, 2 x 1.5 V batteries, 2 fuses installed, 1 protective sheath and 1 operating manual.

**MX0020HDL:** MX0020HD delivered in a rigid carrying case with measurement accessories kit (1 set of crocodile clips and 1 set of hook-type wire grips).

**MX0044HD:** MX 44HD multimeter delivered in blister pack with 1 set of safety test probe leads, 9 V battery, 2 fuses installed, 1 protective sheath and 1 operating manual.

**MX0044HDL:** MX0044HD delivered in a rigid carrying case with measurement accessories kit (1 set of crocodile clips and 1 set of hook-type wire grips).



**FRANCE**  
Chauvin Arnoux  
190, rue Championnet  
75876 PARIS Cedex 18  
Tel: +33 1 44 85 44 86  
Fax: +33 1 46 27 95 59  
export@chauvin-arnoux.fr  
www.metrix.fr

**UNITED KINGDOM**  
Chauvin Arnoux Ltd  
Waldeck House - Waldeck Road  
MAIDENHEAD SL6 8BR  
Tel: +44 1628 788 888  
Fax: +44 1628 628 099  
info@chauvin-arnoux.co.uk  
www.chauvin-arnoux.co.uk

**MIDDLE EAST**  
Chauvin Arnoux Middle East  
P.O. BOX 60-154  
1241 2020 JAL EL DIB (Beirut) - Lebanon  
Tel: +961 1 890 425  
Fax: +961 1 890 424  
camie@chauvin-arnoux.com  
www.chauvin-arnoux.com

For assistance and ordering