

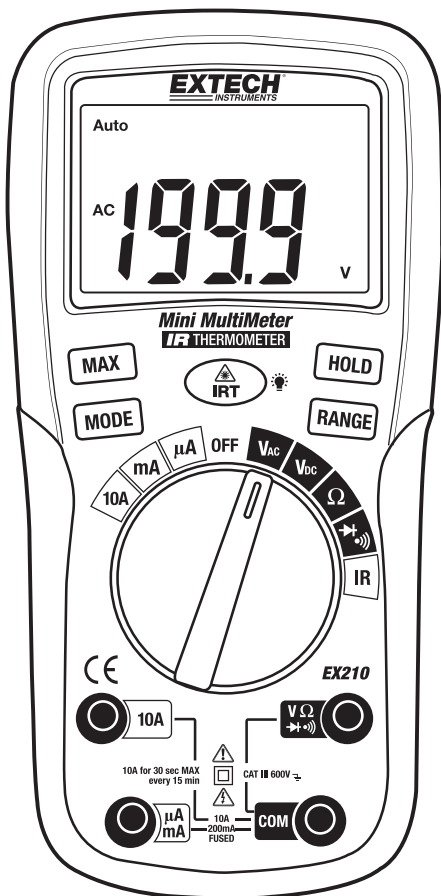


EXTECH[®]
INSTRUMENTS

A FLIR COMPANY

Multimeter with IR Thermometer

Extech EX210



Introduction

Safety

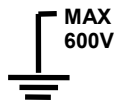


WARNING

WARNING

CAUTION

CAUTION



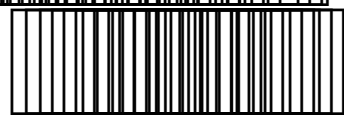
PERFORM OVERVOLTAGE INSTALLATION PREPARE

OVERVOLTAGE CATEGORY

OVERVOLTAGE CATEGORY

OVERVOLTAGE CATEGORY

OVERVOLTAGE CATEGORY



Safety Precautions

NEVER

Input Protection Limits

Function

Maximum

μ

USE EXTREME CAUTION

DO NOT

NEVER

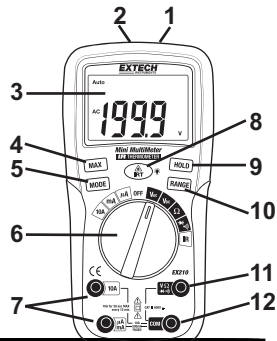
ALWAYS

ALWAYS

NEVER

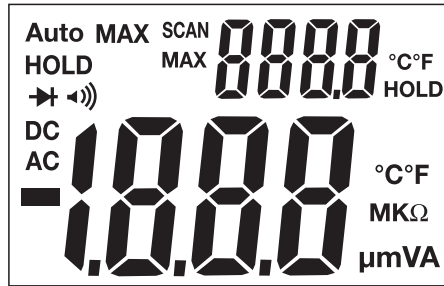
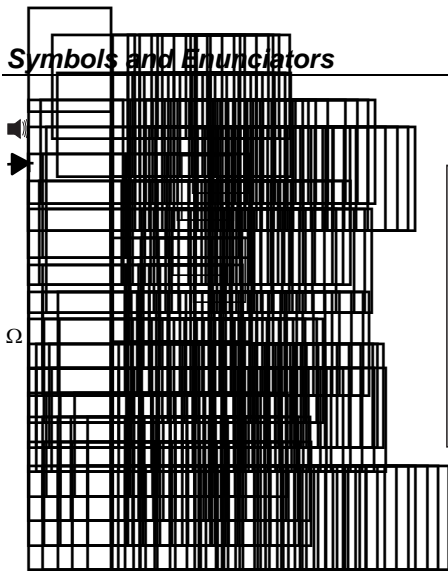


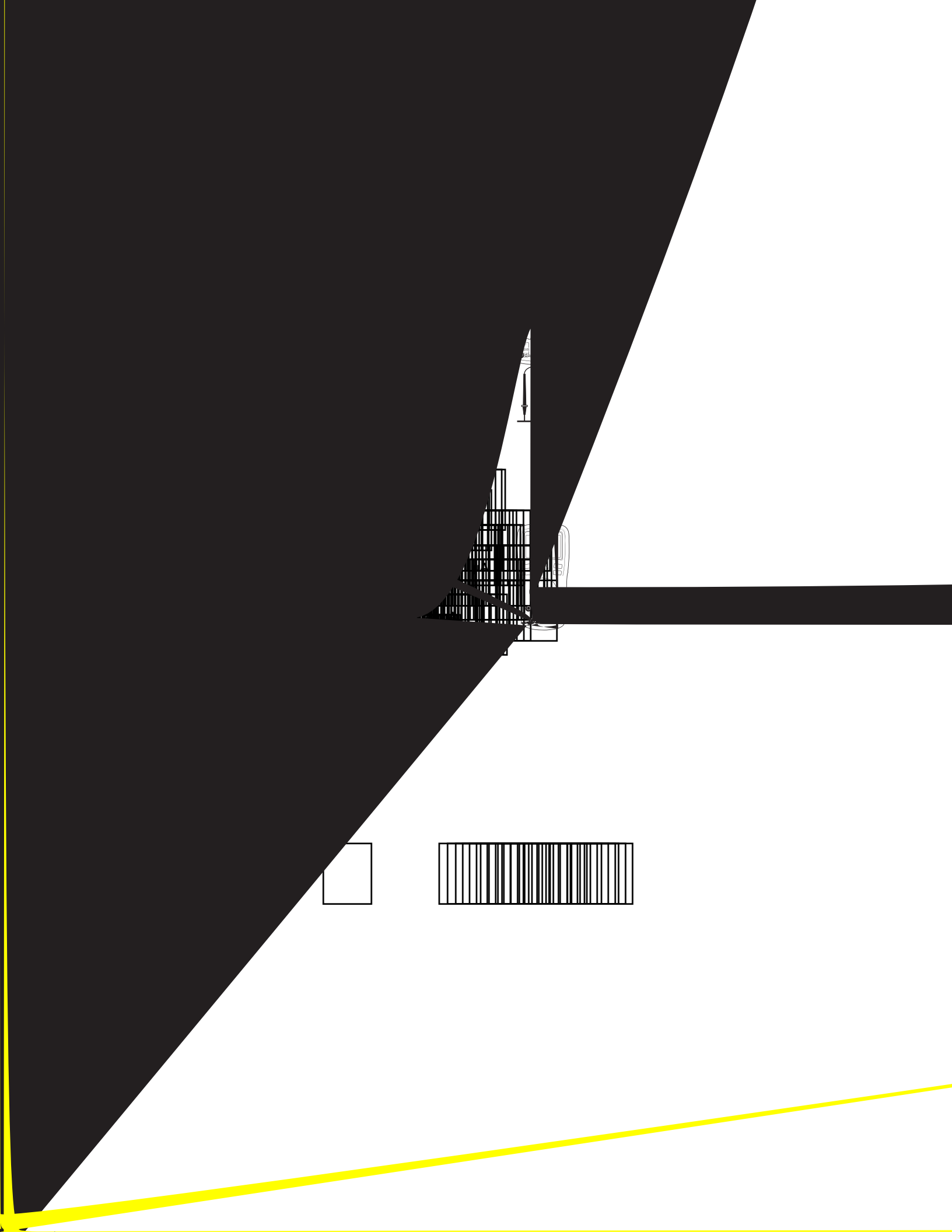
Controls and Jacks



Note:

Symbols and Enunciators





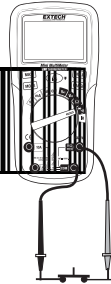
RESISTANCE MEASUREMENT

WARNING

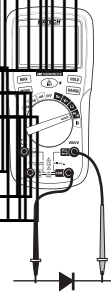


CONTINUITY CHECK

WARNING



DIODE TEST



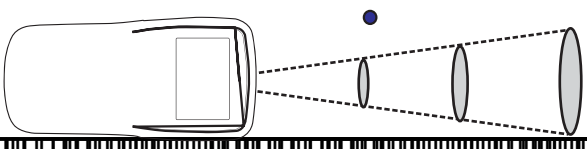
NON-CONTACT TEMPERATURE MEASUREMENTS

[REDACTED]

WARNING: Do not directly view or read the laser pointer at an eye.

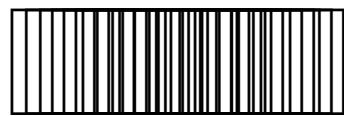
CAUTION AVOID EXPOSURE
 Laser radiation is emitted from this aperture
LASER RADIATION-DO NOT STARE INTO BEAM
 OUTPUT < 1mW WAVELENGTH 630-670nm
 CLASS 2 LASER PRODUCT
 Complies with: FDA 21 CFR 1040.10 and 1040.11
 IEC 60825-1 (2001-08) Edition 1.2
 EN 60825-1:1994/A11:1996/A2:2001/A1:2002

IR Spot Distance Diagram

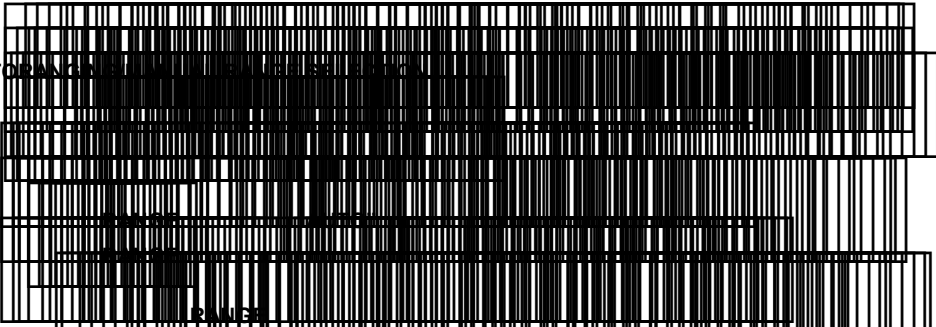


IR Measurement

[REDACTED]

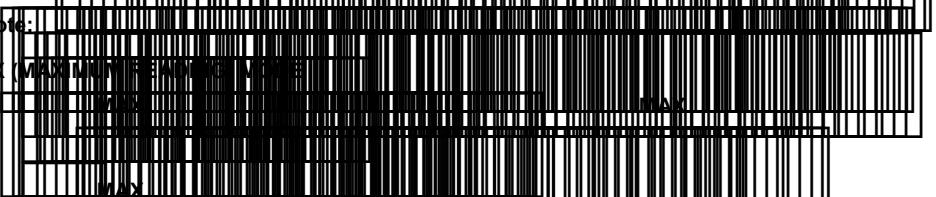


AUTO BANG



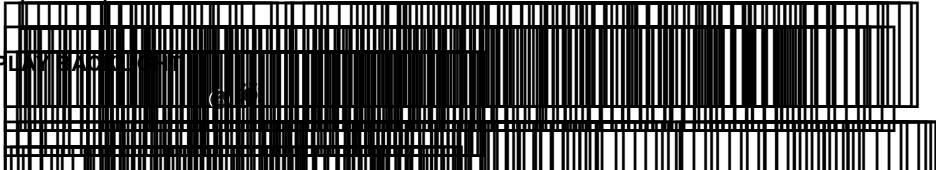
Note:

MAX (MAXIMUM REVERSE VOLTAGE)



Note:

DISPLAY BACKLIGHT



HOLD



AUTO SLEEP



Maintenance

WARNING

WARNING

KEEP THE METER DRY

USE AND STORE THE METER IN NORMAL TEMPERATURES

HANDLE THE METER GENTLY AND CAREFULLY

KEEP THE METER CLEAN AND MAINTAIN IT REGULARLY

USE ONLY FRESH BATTERIES OF THE RECOMMENDED SIZE AND TYPE.

IF THE METER IS TO BE STORED FOR A LONG PERIOD OF TIME

BATTERY and FUSE PRECAUTIONS

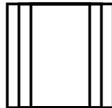
WARNING

WARNING

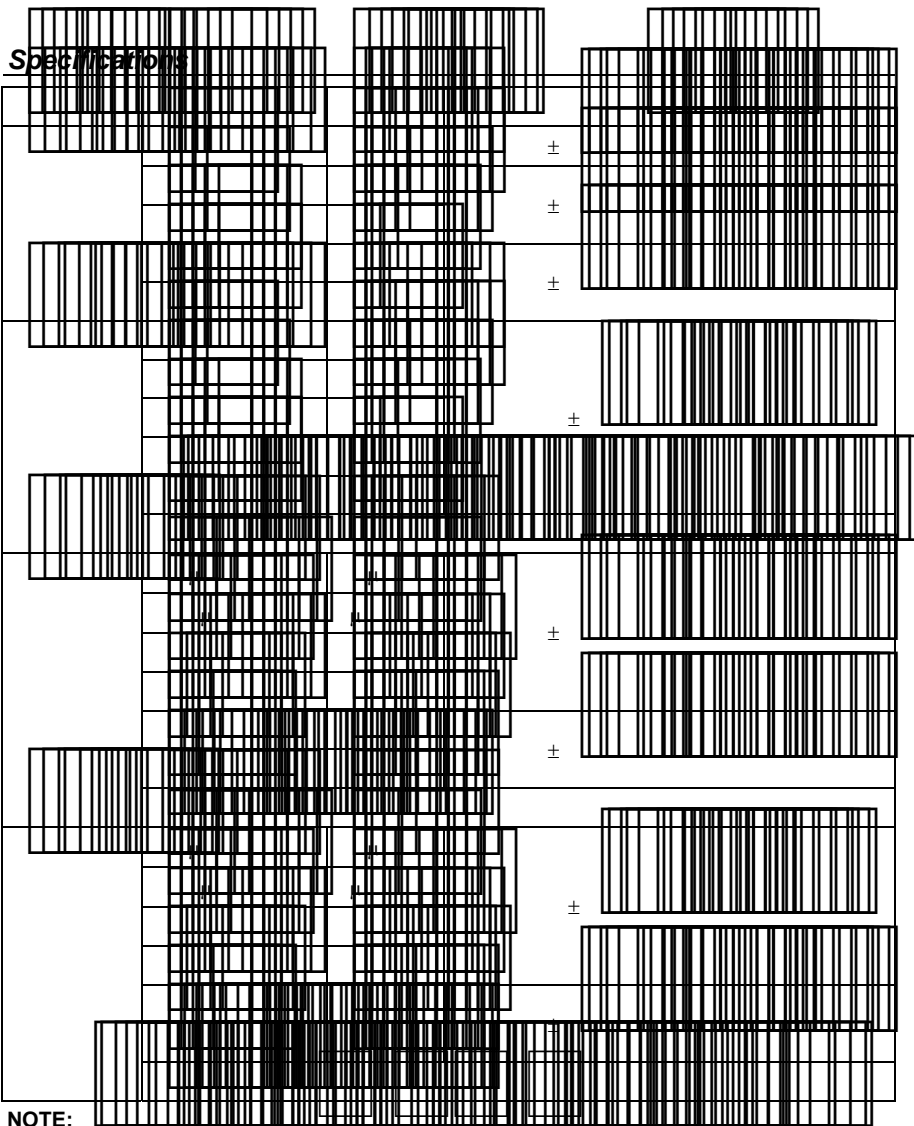
NOTE:



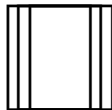
Disposal:

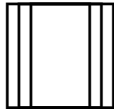
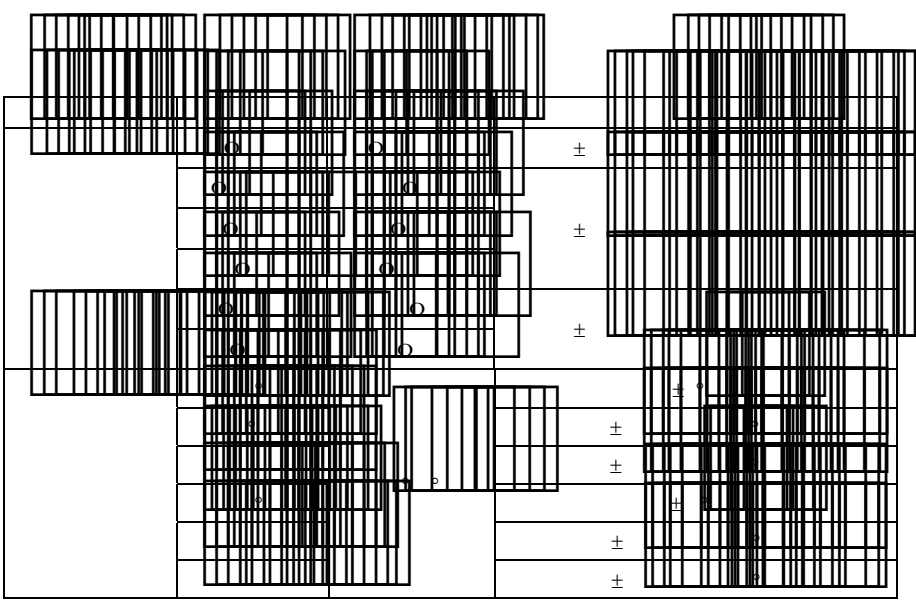


Spec/Sections



NOTE:





Enclosure	Double molded
Diode Test	Test current of 0.9mA maximum, open circuit voltage 2.8V DC typical
Continuity	Threshold 20 to 50Ω, test current <1.5mA
Input Impedance	10MΩ VDC/VAC
AC Response	Average responding
ACV Bandwidth	40Hz to 1000Hz
IR Spectral response	6 to 16μm
IR Emissivity	0.95 fixed
IR distance ratio	4:1
Laser pointer	Class 2 laser < 1mW power; Wavelength is 630 to 670nm
Display	2,000 count backlit liquid crystal display
Overrange indication	"OL" is displayed
Auto Power Off	15 minutes (approximately)
Polarity	Automatic (no indication for positive); Minus (-) sign for negative
Measurement Rate	2 times per second, nominal
Battery	One 9 volt (NEDA 1604) battery
Fuses	mA, μA ranges; 200mA 250V ceramic fast blow A range; 10A 600V ceramic fast blow
Operating Temperature	-10°C to 40°C (14°F to 122°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Operating Humidity	Max 80% up to 31°C (87°F) decreasing linearly to 50% at 40°C (104°F)
Storage Humidity	<80%
Operating Altitude	2000 meters (7000 ft) maximum
Weight	260 g (9.17oz)
Size	147x76x42 mm (5.8x2.9x1.6")
Safety	This meter is intended for origin of installation use and protected, against the users, by double insulation per IEC/EN 61010-1:2001 and IEC/EN 61010-031:2002 to Category III 600V; Pollution Degree 2.
Approvals	CE

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more info for Extech EX210

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