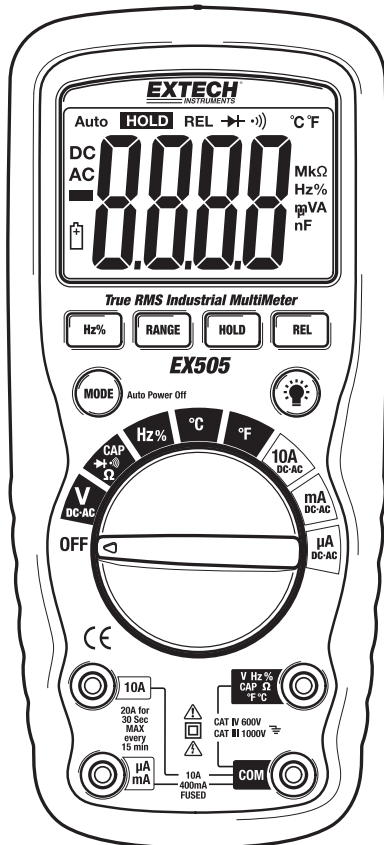


EXTECH[®] INSTRUMENTS

Autoranging True RMS Multimeter

Extech EX505



CE

Introduction

Safety



WARNING

WARNING

CAUTION

CAUTION



**PER IEC1010 OVERVOLTAGE INSTALLATION CATEGORY
OVERVOLTAGE CATEGORY I**

OVERVOLTAGE CATEGORY II

OVERVOLTAGE CATEGORY III

OVERVOLTAGE CATEGORY IV

SAFETY INSTRUCTIONS

NEVER

USE EXTREME CAUTION

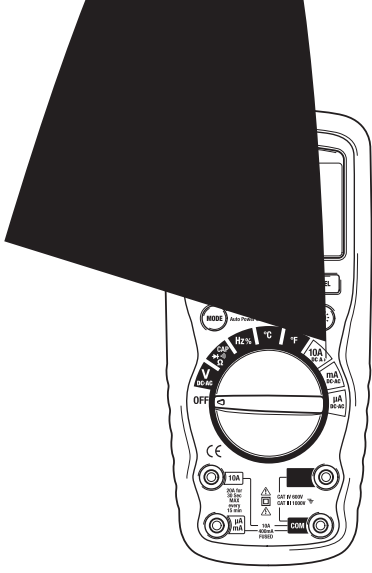
DO NOT

NEVER

ALWAYS

ALWAYS

NEVER



Operating Instructions

WARNING

OFF

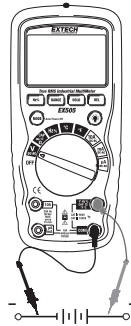
OL

DC VOLTAGE MEASUREMENTS

CAUTION:

V

V COM



AC VOLTAGE (FREQUENCY, DUTY CYCLE) MEASUREMENTS

WARNING:

CAUTION:

V

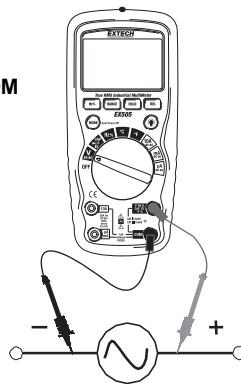
V COM

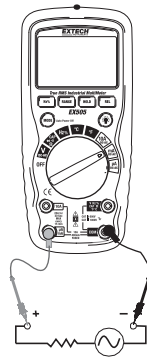
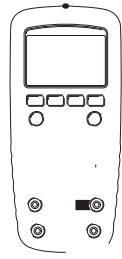
HZ/%

Hz

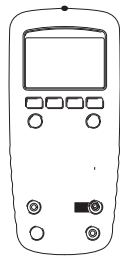
Hz/%

%









FREQUENCY SENSITIVITY (ELECTRICAL)

	≈	
	≈	
	≈	
	≈	
	≈	
	≈	


AUTORANGING/MANUAL RANGE SELECTION

RANGE **Auto”**
RANGE

RANGE
Note:
RELATIVE MODE

REL

REL

Note:
REL
DISPLAY BACKLIGHT


HOLD

HOLD

HOLD
AUTO POWER OFF

MODE
LOW BATTERY INDICATION


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.

USE ONLY FRESH BATTERIES OF THE RECOMMENDED SIZE AND TYPE.

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

BATTERY INSTALLATION

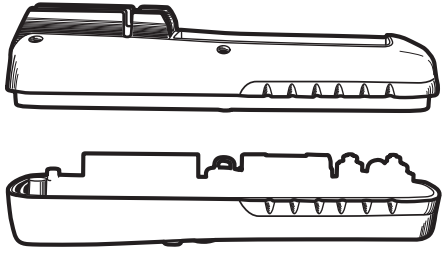
WARNING



**Battery ordinance
disposal in the household garbage is prohibited!**

Disposal





Specifications


			±
			±
			±
			±
			±
			±
	μ	μ	±
	μ	μ	±
			±
	μ	μ	±
	μ	μ	±
			±

NOTE:

Function	Range	Resolution	Accuracy
	Ω	Ω	\pm
	Ω	Ω	\pm
	Ω	Ω	\pm
	Ω	Ω	
	Ω	Ω	\pm
	Ω	Ω	\pm
			\pm
			\pm
	μ	μ	\pm
	μ	μ	
	μ	μ	\pm
			\pm
			\pm
			\pm
			\pm
			\pm
		\pm	
			\pm
			\pm
	\circ	$\circ \quad \circ$	\pm $\circ \quad \circ$
	\circ	$\circ \geq \circ$	

Note:

-
-

Enclosure	Double molded, waterproof (IP67)
Shock (Drop Test)	6.5 feet (2 meters)
Diode Test	Test current of 0.3mA typical, open circuit voltage 1.5V DC typical
Continuity Check	Audible signal will sound if the resistance is less than 100Ω (approx.), test current <0.3mA
Temperature Sensor	Requires type K thermocouple
Input Impedance	7.8MΩ
AC Response	True rms
ACV Bandwidth	40Hz to 400Hz
Crest Factor	≤3 at full scale up to 500V, decreasing linearly to ≤1.5 at 1000V
Display	4,000 count backlit liquid crystal
Overrange indication	"OL" is displayed
Auto Power Off	30 minutes (approximately)
Polarity	Automatic (no indication for positive); Minus (-) sign for negative
Measurement Rate	2 times per second, nominal
Low Battery Indication	"  " is displayed if battery voltage drops below operating voltage
Battery	One 9 volt (NEDA 1604) battery
Fuses	mA, μA ranges; 0.5A/1000V ceramic fast blow A range; 10A/1000V ceramic fast blow
Operating Temperature	41°F to 104°F (5°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F (40°C)
Storage Humidity	<80%
Operating Altitude	7000ft. (2000meters) maximum.
Weight	0.753lb (342g) (includes holster).
Size	7.2" x 3.2" x 2.2" (182 x 82 x 55mm)
Safety	This meter is intended for origin of installation use and protected, against the users, by double insulation per EN61010-1 and IEC61010-1 2 nd Edition (2001) to Category IV 600V and Category III 1000V; Pollution Degree 2. The meter also meets UL 61010-1, 2 nd Edition (2004), CAN/CSA C22.2 No. 61010-1 2 nd Edition (2004), and UL 61010B-2-031, 1 st Edition (2003)
Approvals	UL CE
UL Listed	The UL mark does not indicate that this product has been evaluated for the accuracy of its readings.

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airconcern

more info for Extech EX505

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