EXCELTA® CORPORATION

Precisely Right

★★★★★

TM-500
IntelliTweeze®

NEW!

The IntelliTweeze® is a quick and easy way of testing and troubleshooting many types of components. With the use of only one hand, this lightweight unit will quickly measure resistance, capacitance, inductance, continuity and polarity.

Measures Resistance, Capacitance, and Inductance

The primary display shows the present reading. The secondary display (above the primary display) shows the present reading of additional parameters when the primary display shows other features (L,C). The bar graph provides an analog indication of the measure input.

Measures Continuity

The beeper sounds for resistance below the threshold, or to indicate momentary open circuit.

Measures Diode Polarity

Manual setting for testing polarity on diodes.

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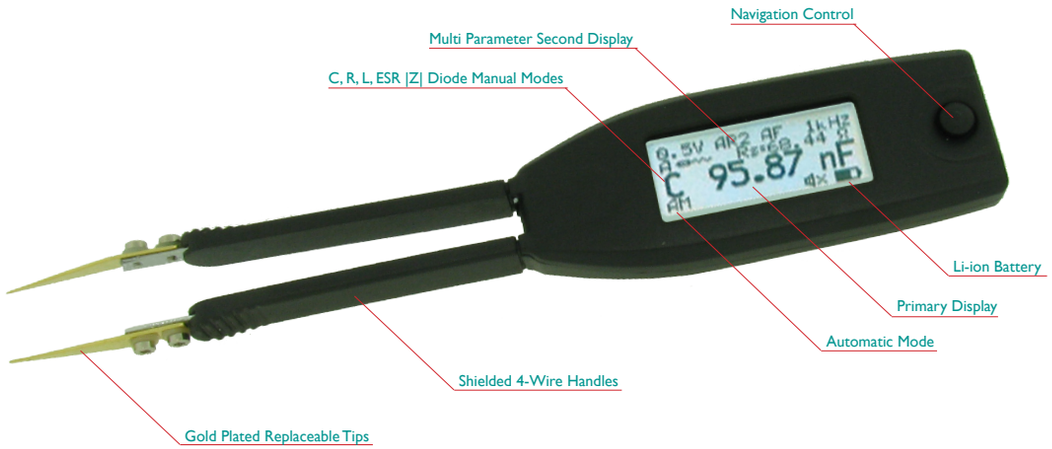

PHYSICAL SPECIFICATIONS

Operating Temperature:	0 °C to +55 °C
Battery Type:	3.7V LiPO rechargeable 150mAH
Battery Life (continuous):	80 Hours typical, 2 hours charging cycle
Electromagnetic Compatibility (EMC):	FCC 15 part B, SE
Size:	14.0 x 2.5 x 3.0 cm (3.94 x 0.9 x 1.5 in)
Weight:	53 grams (1.9 oz)
Warranty:	1 year

TECHNICAL SPECIFICATIONS

AC test mode Test frequency:	1 kHz, 10 kHz, 120Hz,100 Hz
Test frequency accuracy:	50 PPM (0.005%)
Test signal level:	0.25/0.5/1.0 +/- 5% Vrms Sine wave
Source impedance:	62.5Ω/1kΩ/16kΩ +/- 1%

MEASUREMENT RANGES & PRECISION

Resistance	Range:	0.05 Ω to 9.9 MΩ
	Precision:	up to 0.2%
Capacitance:	Range:	0.5 pF to 4999 µF
	Precision:	up to 0.2%
Inductance:	Range:	0.5 µH to 999 mH
	Precision:	up to 0.5%
Quality factor Q:	Range:	0.001 to 1000
Dissipation factor D:	Range:	0.001 to 1000