

Smart Tweezers™



Made in Canada

Physical Specifications

<i>Operating Temperature:</i>	0 °C to +55 °C
<i>Storage Temperature:</i>	-40 °C to +60 °C
<i>Relative Humidity:</i>	0 %-90 % (0 °C to 35 °C) 0 %-70 % (35 °C to 55 °C)
<i>Altitude Operating:</i>	0-2000 meters
<i>Storage:</i>	0-10000 meters
<i>Battery Type:</i>	3 x 1.5V LR44 Alkaline or Air Zinc
<i>Battery Life (continuous):</i>	80 Hours typical with alkaline, 240 hours with air zinc battery
<i>Electromagnetic Compatibility (EMC):</i>	FCC 15 part B, SE
<i>Size:</i>	14.0 x 2.5 x 3.0 cm (3.94 x 0.9 x 1.5 in)
<i>Weight:</i>	53 grams (0.11lb)

Basic Specifications

<i>Measured Parameters:</i>	C+R (ESR), L+R, R
<i>Measuring Frequencies:</i>	100Hz, 1 kHz, 10kHz
<i>Measurement rate:</i>	4, 2, 1, 0.5 times per second (default 1)
<i>DC Voltage:</i>	0 to 800 mV (up to 8V with manual setting)
<i>Resistance:</i>	0.04Ohm to 5MOhm
<i>Capacitance:</i>	1 pF to 4999 µF (1pF - 5pF in manual mode)
<i>Inductance:</i>	1µH to 999mH (1µH -4µH in manual mode)

Accuracy Specifications

specified at 18°C-28°C (64°F-82°F), relative humidity to 90%.

Resistance

<i>Range:</i>	0.04 Ohm - 5 MOhm
<i>Accuracy:</i>	1% + 0.02 in the range 10 Ohm - 5 MOhm
<i>Test Frequency:</i>	1kHz

Capacitance:

<i>Range:</i>	1pF - 4999µF
<i>Accuracy:</i>	3% + 1.7pF in the range 10 pF - 4999 µF
<i>Resolution:</i>	0.1pF in the range 1pF- 100pF
<i>Test Frequency:</i>	1kHz C > 1000pF 10kHz C < 1000pF 100Hz C > 1µF

*Typical offset 1.6pF for 0402 size component

Inductance:

<i>Range:</i>	1µH - 999mH
<i>Accuracy:</i>	3% + 0.4µH** in the range 10µH - 999mH
<i>Resolution:</i>	0.1µH in the range 1µH - 100µH
<i>Test Frequency:</i>	10kHz L < 1mH 1kHz L > 1mH 100Hz L > 10mH

**Typical offset 1.4µH for 0402 size component

Vi reserverar oss för ändringar i specifikationen som närhelst kan utföras av tillverkaren Advance Devices Canada
Detta står utanför vår kontroll, men RCAB kommer skyndsamt att uppdatera underlagen om så sker