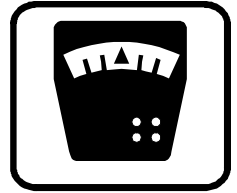


CHAPTER B - 640SL EXPLOSIVE SAFETY IGNITER TESTER - SPECIFICATIONS



640SL Resistance Range/Resolution Nominal Test Current/Fail-Safe Current

2.0 Ω	20.0 Ω	200 Ω	2.0 KΩ	20.0 KΩ	200 KΩ	2.0 MΩ	20.0 MΩ
100 μΩ	1.0 mΩ	10 mΩ	100 mΩ	1.0 Ω	10 Ω	100 Ω	1.0 KΩ
5mA	5mA	0.5mA	50μA	5μA	0.5μA	50nA	5nA
8mA	8mA	1.5mA	150μA	15μA	1.5μA	15nA	5nA

Actual fail-safe currents vary with each instrument and may be ±20% from the typical value.

Table B-2. Specifications

Accuracy: (for 1 year @25°C ± 10°C)

- 2.0Ω range ±0.02% of reading ± 0.05% of range
- 20Ω * range thru 20KΩ ranges ±0.02% of reading ± 0.02% of range
- 200KΩ range ±0.05% of reading ± 0.05% of range
- 2.0MΩ range ±1.0% of reading ± 0.2% of range
- 20MΩ range ±2.0% of reading ± 0.2% of range

* for the 640SL-1 only add 0.005Ω uncertainty on the 20 Ohm range

Temperature Range

- Operating 0°C to 50°C
- Storage -10°C to 70°C

Temperature Coefficient

- 2.0Ω through 20 KΩ ranges ±0.002% per °C (from 0°C-15°C and 35°C-50°C)
- 2.0 MΩ and 20 MΩ range ±0.02% per °C (from 0°C-15°C and 35°C-50°C)

True RMS AC-DC Voltage Measurement 0 to 200 V DC or AC RMS - Accuracy ± 0.5% of range

Instrument Display . . (20,000 count) 4½ digit Liquid Crystal Display (LCD)

Low Battery Indication LCD Display Indicator "Arrow" (front panel enunciated)

Over-Range Indication . . . (open circuit state or select next higher range) 640SL Display Blinks/Flashes

Measurement Update Rate Approximately 300ms

Analog DC Milliammeter (Indication range 0 to 10 mA Fullscale) - Accuracy ± 3.0%

Analog DC Voltmeter (Indication range 0 to 2.0 VDC Fullscale) - Accuracy ± 3.0%

Open Circuit Current Source Compliance Voltage clamped at <1.6 volts (can be verified with the "On-Board Analog DC Voltmeter)

Power Battery Pack (4 "D" 5.0Ahr Heavy Duty) 1.2V rechargeable nickel-cadmium batteries

Dimensions 9.5" (24cm) W x 11" (27cm) D x 3"(8cm) H

Weight 13 lbs net; 16 lbs shipping

