



- 13. Water Resistant O-ring seal(s) - also under panel provides dust proof, air tight and water tight seal.
- 14. Tight Squeeze Flip Latch Area makes air tight seal.
- 15. Main "Power (On or OFF) Switch"- must be "OFF" in order to get Battery Charger circuit and wiring connected to the power cord jack (see #9) .
- 16. Liquid Crystal Display - allows viewing in direct sunlight.
- 17. Customer Test Leads - Leads fit inside a pouch in side the unit's lid.
- 18. Zero Knob- Allows adjustment of 2 wire related offset resistance so that UUT resistance may be directly displayed.
- 19. No User Access For the Fuseholder (internal).
- 20. Low Battery Indicator on the LCD Display informs user that that NICAD batteries need re-charging.
- 21. Padlock Holes - secures the lid closed when padlocked shut.
- 22. Case Ground Jack - The internal Faraday cage and all internal chassis ground electrical connections are wired to this case ground jack.

640SL-1 (SE3332) FEATURES

1. Calibration/Maintenance access screws
2. Purge Valve for Air-Pressure Equalization
3. Handles **only** for lifting front plate off, once the access screws have been removed. *(for calibration access only)*
4. Main Test Connection Measurement port (Reynolds 311-1 type) for measuring resistance with the test leads (2 terminal measurements may need zero/offset correction).
5. Dual Function Milliammeter/Analog Voltmeter (6 & 7)
6. In the "UP" switch position A) Voltmeter mode is selected for testing "Open Circuit Voltage" levels on existing SE3332 test leads *should be less than 1.6 volts.*
7. In the "DOWN" switch position B) DC Milliammeter mode is selected for verifying test current levels (<10mA). *(Observe DC polarity to make proper measurements)*
8. SE3332 Safety Test connection port for connecting the test leads to verify open circuit voltage and output current levels associated with test mode(s) items #6 and #7 above.
9. Battery Powered Instrument - To recharge the batteries, the power cord must be plugged in, however the 640SL is then automatically disabled or "OFF". The power cord must be removed to enable the unit's "ON-OFF" main power switch (Safety Feature) to even turn it "ON"..
10. Main Function nine (9) position select switch - determines either which resistance range or AC/DC RMS voltage measurement mode is selected.
11. Resistance Ranges are 2.0 Ω , 20.0Ω , 200.0Ω , 2.0 KΩ , 20 KΩ , 200 KΩ , 2.0MΩ , and 20MΩ fullscale.

Specifications

- Accuracy:** (180 days 25°C ± 10°C) ± 0.02% of reading and ± 0.02% of range for 20 Ω through 200 KΩ ranges, ± 1.0 % of reading and ± 0.2% of range for 2.0 MΩ range.
- Failsafe Current :** < 8 mA - 2 Ω and 20 Ω ranges, < 1.5 mA - for 200Ω range, <15 μA for the 200 KΩ range.
- Display:** 4½ digit (19999) LCD - 20,000 counts, Display is visible in direct sunlight.
- Terminal Configuration:** Four-wire Kelvin
- Overload Indication:** Display flashes
- Maximum Input:** 250 VDC or peak AC without damage
- Operating Temperature Range:** 0°C to 50°C
- Temperature Coefficient:** ±.002% per °C (from 0°C to 15°C and 35°C to 50°C)
- Conversion Rate:** Approximately 3 per second
- Power:** Rechargeable Ni-Cad batteries (5.0 Ahr) & Charger (115 VAC 50-60 Hz)
- Max. Internal Voltage:** 4.8 VDC - 4 ea. 1.2 V Ni-CADS
- Humidity :** 5 to 95%, waterproof to 3' depth when closed
- Size:** 295mm/11.5" D x 335mm/13.5" W x 155mm/6" H
- Weight:** 12 lbs NET, 15 lbs shipping
- Drop/Impact Specification:** Designed and tested to survive a 3' fall (i.e instrument cart to floor).

Order Information

640SL Igniter Tester
Option "630-300" 48" Kelvin lead Set . . .
Option "630-401" Handheld Probes
Additional Operator/Maintenance Manual . .

* VISA, MC and AMEX PURCHASES ACCEPTED