Leviton’s New UL Listed RTT99 Receptacle Tension Tester

- Advanced digital handheld device
- Line and ground contact retention testing of receptacles and outlets
- Ideal for hospitals, testing laboratories and commercial buildings
- Microsoft Windows®-based software to manage and analyze data

1 YEAR LIMITED WARRANTY

Maintain Compliance With NFPA 99 Testing Standard

Definition:
Leviton’s new RTT99 Receptacle Tension Tester is a versatile digital handheld device that measures the amount of retention force applied to inserted plug blades by line and ground contacts in electrical receptacles and outlets. Individual line and ground contact forces are measured quickly and accurately and displayed digitally, allowing the user to record the retention force of each contact. The RTT99 is intended for use in 15 or 20 Amp straight blade receptacles and outlets rated at 125 or 250 Volts.

Applications:

<table>
<thead>
<tr>
<th>Industry</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>Hospital &amp; Health Care Facilities</td>
<td>Performance testing and documentation procedure for standard specification and hospital grade receptacles. The RTT99 testing and documentation program ensures compliance with the newly revised NFPA 99 testing standard for hospital and health care facilities. Proper maintenance testing ensures reliable device performance and helps identify problematic areas</td>
</tr>
<tr>
<td>Commercial &amp; Institutional Buildings &amp; Campuses</td>
<td>Preventative maintenance (PM) for receptacles and outlets assists in identifying safety hazards and avoids potential downtime due to abused or poor quality electrical devices. The RTT99 tester and documentation program can supplement current inspection and PM efforts to ensure that receptacles are in compliance</td>
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The 1999 edition of NFPA 99 establishes parameters for testing and maintenance of electrical receptacles in hospitals and health care facilities. An excerpt from the standard is listed below:

**NFPA 99, 1999 Edition**

**Chapter 3-3 Section 3-3.3.3 Receptacle Testing in Patient Care Areas**

a. The physical integrity of each receptacle shall be confirmed by visual inspection.

b. The continuity of the grounding circuit in each electrical receptacle shall be verified.

c. Correct polarity of the hot and neutral connections in each electrical receptacle shall be confirmed.

d. The retention force of the grounding blade of each electrical receptacle, (except locking-type receptacles) shall be not less than 115g (4 ounces).

**Chapter 3-3 Section 3-3.4.2.3 Maintenance and Testing of Electrical Systems**

a. Testing Interval for Receptacles in Patient Care Areas
   1. Testing shall be performed after initial installation, replacement, or servicing of the device.
   2. Additional testing shall be performed at intervals defined by documented performance data.

Exception: Receptacles not listed as Hospital Grade shall be tested at intervals not exceeding 12 months.

**Chapter 3-3 Section 3-3.4.3.1 Record Keeping**

A record shall be maintained of the tests required by this chapter and associated repairs or modifications. At a minimum, this record shall contain date, the rooms or areas tested and an indication of which items have met or have failed to meet the performance requirements of the chapter.


Identification and correction of unsafe conditions by means of inspection of electrical systems can help reduce potential electrical hazards.

**NFPA 73, 1996 Edition**

**Chapter 2 Section 2-10.7 General Requirements**

Receptacle contacts shall have acceptable blade retention when tested with a listed retention tester.

The RTT99 (shown at left) quickly and accurately measures the peak retention force of a line contact. To measure the ground contact insert RTT99 into the ground contact and remove slowly to determine retention of the contact. NFPA 99 Standard requires a minimum ground contact tension of 115g (4 ounces).

The automated record keeping system permits documentation of the date, room or areas tested and the exact results of each test. Data can be saved to file and printed if required.

UL-Listed RTT99 Receptacle Tension Tester

Features and Benefits:
- Test each receptacle contact for retention
- Supplied with threaded line blade and ground pin for quick and easy interchange-ability
- Regular testing of receptacle line contacts decreases the possibility of fire hazard due to poor electrical connections
- Digital display reduces testing time by supplying immediate results
- Includes documentation software that permits electronic storage of readings with custom sort, performance analysis and print out capability.
- Simplifies administrative process of meeting NFPA 99 inspection requirements by providing precise quantifiable data over time
- Compact design for greater portability and ease of use
- Designed for 15 or 20 Amp straight blade receptacles and outlets rated 125 or 250 Volts
- Includes long life 9-volt battery
- Comes with easy-to-use calibration weight for a quick accuracy check
- Factory-calibrated tester
- RTT99 unit is constructed of impact-resistant thermoplastic for long service life
- Comes in a deluxe protective instrument case that protects against damage while unit is not in use
- Limited One-Year Warranty

**Ground Contact Retention Force**

<table>
<thead>
<tr>
<th>Ground Contact</th>
<th>Retention</th>
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<tr>
<td>G</td>
<td>≥ 4 Ounces</td>
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Agency Standards & Compliance:
- UL 1436 Standard
- UL Listed (File # E90289)
- UL Listed for Canada (File #E90289)

RTT99 Wiring Device Inspection Software Program CD-ROM
Microsoft Windows® Compatible

Proprietary RTT99 Computer Maintenance Management Software (CMMS) manages wiring device performance data. Custom input fields record test results and create a data bank of information on buildings, devices and corrective actions. Data can be viewed or printed and used to supplement Preventative and Predictive Maintenance efforts. RTT99 software conforms to specific testing and documentation standard set forth by the National Fire Protection Agency Standard 99 (NFPA 99)

Ordering Information
Receptacle Tension Tester

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>RTW08</td>
<td>8-ounce Calibration Weight</td>
</tr>
<tr>
<td>RTB01</td>
<td>Replacement Blade Set (Ground pin and line blade)</td>
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<tr>
<td>RTC00</td>
<td>Deluxe RTT99 Instrument Carrying Case</td>
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