Low Voltage Capacitance & Tan Delta Bridge
Model : QCTD-L

Application:
- Power Systems
- Motors
- Power Cables
- High Voltage Laboratories
- HT Transformers
- Bushings
- Power Capacitors
- Generators

Features
- Built-in Bridge, Power supply & Standard Capacitors.
- Synchronous, tuned and phase sensitive Null Detector.
- Test Freq. 80Hz, so as to eliminate influence of static/magnetic field.
- Three different measurement modes can be conveniently selected by selector switch.
- Suitable for both ungrounded & grounded objects.
- Robust, portable design for field applications.

Technical Specification

<table>
<thead>
<tr>
<th>CAPACITANCE</th>
<th>Tan Delta</th>
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<tbody>
<tr>
<td>Range</td>
<td>Range</td>
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<tr>
<td>Accuracy</td>
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<tr>
<td>1pF to 0.1uF in 10 ranges</td>
<td>0 to 1%</td>
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<tr>
<td>± 0.2% of range ±2pF</td>
<td>0 to 10%</td>
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<td>10 to 20%</td>
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<td>20 to 30%</td>
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Null Detector: Synchronous, tuned and phase sensitive null detector with center zero scale.

Test Voltage: 500VAC, 80Hz.

Calibration: Calibrator is provided for periodical check on the measurement for Capacitance and Tan Delta.

Operating Temperature: 0 to 50 deg C.

Leads: Two coaxial cable and one ground cable 20 meter long and Power chord.

Input Voltage: 230VAC 10%, Single Phase, 50Hz.

Switch for three different types measurement
1. UST
2. GST
3. GSTg

Safety Features:
- HT cut off on overload.
- HT ON and Supply ON Indication.
- All operating controls at earth potential.
- Necessary terminals & Sockets for connection to object.

Ordering Information
a. Interconnecting Leads set - QCTD/L/LS
b. Instruction Manual - QCTD/ L /M
c. Application Notes and Testing Guide - QCTD/ L /AN
d. Set of Fuses - QCTD/L/FS

Optional
a. Calibration Standard - QCTD/L/CS
b. Oil Cell for Liquid / Semi Liquid insulations - QCTD/L/OC
c. Solid Zig for Insulation Sheets - QCTD/L/SZ