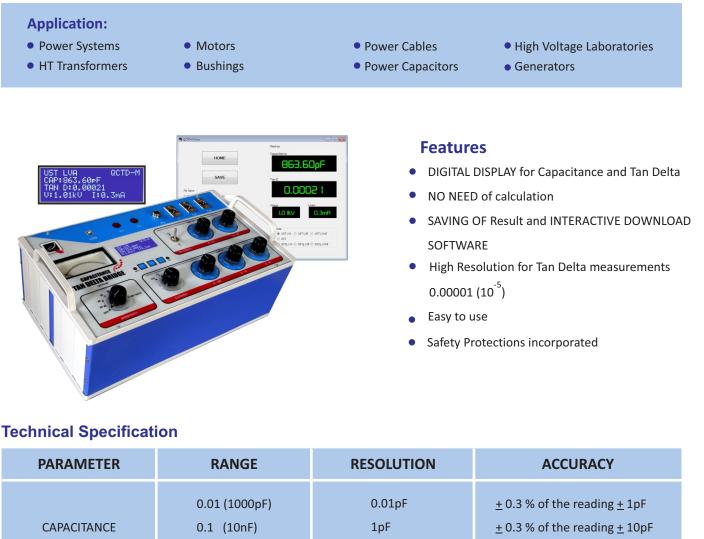
Semi Automatic Capacitance & Tan Delta Bridge Model: QCTD-M



	0.01 (1000pF)	0.01pF	<u>+</u> 0.3 % of the reading <u>+</u> 1pF
CAPACITANCE	0.1 (10nF)	1pF	<u>+</u> 0.3 % of the reading <u>+</u> 10pF
	1 (100nF)	10pF	<u>+</u> 0.3 % of the reading <u>+</u> 100pF
TAN DELTA	0 - 0.1 0.1 - 1	0.00001 0.0001	\pm 1.0 % of the reading \pm 5 X 10 ⁻⁴ \pm 1.0 % of the reading \pm 5 X 10 ⁻³
VOLTAGE	0-12 KV AC	0.01 KV	<u>+</u> 1.0 % of the reading <u>+</u> 1 Digit
CURRENT	0-100mA	1mA	<u>+</u> 2.0 % of the reading <u>+</u> 1 Digit

Test Voltage 0 to 12KV AC Rated Current 100mA continuous Output Frequency 50Hz (Lines Frequency) Accuracies Applicable Cx≥100pF

Indication : 3 ½ Digital panel meter for Voltage & Current. Standard Capacitor :100pF, 12KV built-in. Input Voltage : 230VAC + 10%, Single Phase, 50Hz.

Switch for three different types measurement Seven/ Three mode test operation 1. UST- Ungrounded Specimen test. 2. GST - Grounded Specimen test. 3. GSTg - Grounded specimen test with Guard.

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Safety Features :

- Zero start control.
- Open ground indicating lamp with double ground connection.
- External Interlock
- HT cut off on overload.
- HT ON and Supply ON Indication.
- All operating controls at earth potential.
- Necessary terminals & Sockets for connection to Bridge.

Scope of Supply

- Main Units Power supply and Bridge
- Interconnecting Leads
- Double Shield HV cable 10 meters
- Single Sield LV cable 10 meters
- Ground cable 5 Meters
- Safety switch

Null Detector

Built in battery operated/ external powered electronic Null Detector. This type of Null detector is most suitable for balancing of the bridge. It gives high sensitivity and accuracy and it is very user friendly.

Phase sensitivity Null Detector can be given in place of electronic Null detector on request.

Calibration Box (Optional)

One Known value capacitor with three different Tan Delta values Calibration Box. For quick evaluation for setup at site.

Interference Cancellation Unit. (ICU) (Optional)

For situation where the pick up by the bridge is excessive, a separate multi level interference suppression unit can also be given with separate C & Tan delta adjustments.

Resonating Inductor (Optional)

In case the test current requirement is more e.g. For testing Motors, Generators, Cables, etc with Resonating inductor capacitive current can be compensate by having same amount of Inductive current to enhance the requirement of high test currents.

Data Logger (Optional)

Software CD and communication Port will be provided to record measured value to keep records, print the result with statistical data analysis.







Ordering Information

- a. Interconnecting Leads set QCTD /12M/LS
- b. Foot Switch QCTD /12M/FS

e. Set of Fuses - QCTD /12M/FS

- c. Instruction Manual QCTD /12M/M
- d. Application Notes and Testing Guide QCTD /12M/AN

Optional

- a. Interference Compensation Unit (ICU) QCTD 12M/ICU
- b. Calibration Standard QCTD 12M/CS
- c. Carrying Case QCTD 12M/CC

