



QUADRANT

MEASUREMENTS Pvt. Ltd.

Simplified Measurements Solutions

We are manufacturers of various Test and Measurement instruments especially for Insulations Industries, Capacitor Industries, Cables Industries, Transformer, Bushing, Motor manufacturers and Power sector.

Our most valuable asset is our people. Quadrant team members are gathered together from diverse backgrounds. Our strength is their knowledge, passion and experience. Our people have a common philosophy - Delight the Customer.

We are introducing new innovative ideas, leading edge technology, superior service backup and a design-in focus through our expertise.





Fully Automatic Capacitance and Tan Delta

Application

- Power Systems
- HT / LT transformers
- Bushings
- Motors
- Generators
- HT / LT Capacitors

Features

- Automated Measurements of Capacitance and Tan Delta.
- Laptop based test operations.
- Temperature Correction for Tan Delta values at 20 Deg C
- Robust, reliable and safe construction.
- Different voltage levels of models available as per the need of customer 5KV, 12KV, 15KV, etc.



Semi-Automatic Capacitance and Tan Delta

Application

- Power transformers
- Distribution
- Transformers
- Current transformer
- Bushing
- Power capacitors

Features

- Manual Balancing
- Built-in 20 X 4 LCD to display Capacitance, Tan Delta, Voltage, Current, Test Mode, Correction Temperature
- Indicator HT ON/OFF, All safety interlock incorporated
- Zero start, Double ground, HT chamber interlock.
- Robust, reliable and safe construction.
- Different voltage levels of models available as per the need of customer 5KV, 12KV, 15KV, etc.



Automatic Oil BDV

Application

- Power transformers
- Distribution
- Transformers
- Current transformer
- Bushing
- Power capacitors

Features

- Available in all version Manual / Motorized / Microprocessor controlled Fully Automatic Models
- Easy operation
- Suitable for all standards
- Built-in printer
- Indicator HT ON/OFF, All safety interlock incorporated



Automatic and Manual Oil Tan Delta

Application

- Insulation Oil
- Petroleum Jelly
- Liquid / Semi Liquid insulations

Features

- Measurement oil parameters Tan Delta, Volume Resistivity & Dielectric Constant
- Measurement as per IS 6262



Conductivity Meter for Metal

Application

- Raw material testing
- Segregation of mixed lot of non-ferrous metals
- Metal Quality testing

Features

- IACS% Direct Digital Reading
- Portable and Compact Design
- Battery Operated / Built-In charger
- Eddy current principle



For Power Transformer

Transformer Ratio Meter HT and LT Excitation



For Distribution Transformer

Features

- Measurement oil parameters Ratio, Excitation Current and Ratio Error
- Automatic operation, No balancing is required
- 20 X 4 LCD Display / 3½ digit LED display
- True 4 terminal measurement.
- Resolution of 0.001 in the range 10
- Fully protected against any wrong connections.
- Single Phase / Three phase model



Primary Injection Test Kit

Application

- Power Systems
- Transmission /
- Distribution companies
- High Voltage Laboratories
- Educational Institutes

Features

- Customization as per customer's requirements.
- Built in Digital Timer for measuring tripping time
- Designed to offer continuously variable output current
- Single compact unit equipment for easy operation
- Adequate MCB protection from overloads
- Current range from 100A to 3000A.



Secondary Injection Test Kit (Relay Test Kit)

Application

- Circuit Breakers
- Protective Devices
- Relays
- Overload Coils
- MCB
- Education Institutes

Features

- Continuously adjustable outputs up 200Amp
- Portable Models
- Digital Ammeter, Voltmeter and time interval meter (Unitimer)
- UniTimer automatically puts OFF the output, when timer reaches to its maximum value of the selected range
- Wide range of measurement, i.e. From 0. 001 second. To 9999 secs in four ranges



Transformer Winding Resistance Meter

Application

- Transformer Winding
- Reactor
- Motor
- Inductive Coils
- Cables, Conductors
- Educational Institutes

Features

- True Four Terminal Measurement
- Regulated and Highly stable 1/10 Amp Current Source
- Singel/Dual Chanel Measurement, ● 20 X 4 LCD / 4 ½ Digital LED Display
- 0.1uOhm resolution on 2mOhm range, Temperature Measurement
- Protection against back EMF for high inductive loads
- Download via RS-232 / USB port with Software



Micro Ohm Meter 1Amp /10Amp

Application

- Distribution Transformer
- Motor /Coils
- Power /Communication cables
- Component Manufacturer
- Test Laboratories
- Education Institutes

Features

- True Four Terminal Measurement
- Regulated and Highly stable 1/10 Amp Current Source
- 20 X 4 LCD / 4 ½ Digital LED Display
- 0.1uOhm resolution on 2mOhm range, Temperature Measurement
- Protection against back EMF for high inductive loads
- Download via RS-232 / USB port with Software



Contact Resistance Meter

Application

- Circuit Breaker
- Isolators/Busbar
- CT Manufacturer
- Cables and Joints
- Educational Institutes
- Shunts

Features

- True Four Terminal Measurement
- 100 Amp DC Current Source
- 3.5 Digit LCD display
- 0.1uOhm resolution
- Fast Response time
- Stable and fast measurement



QCBT-1

Circuit Breaker Timer



QCBT-2

Features

- User selectable 3 / 4 pole measurement
- Compact and light weight instrument
- 0 to 9999.9mSec
- small portable, light weight constructed in suitcase for field use.
- Resolution : 0.1ms
- In-built memory to store 200 test reading (QCBT-2)
- Data available via RS-232 / USB port (QCBT-2)
- In-built Printer (QCBT-2)



Cable Fault Locator, Pin Pointer

Application

- To Locate faults in underground power cables
- Cable route tracing

Features

- Portable, mounted on casters, easy to carry and use on the field
- Various Models available for location faults in underground LT/HT power cables
- Manual and Auto operation of Impulse discharge
- Capacity enhancement possible
- Current coupler to facilitate preallocation.
- Voltage level of 4Kv, 8Kv, 16Kv and 32Kv Models



High Voltage Tester

Application

- to test voltage withstand value insulation of
- Power cables
- Insulators
- Capacitors
- Transformers

Features

- Portable, mounted on casters, easy to carry and use on the field
- Various Models available as per application and voltage levels up 100KV
- Automatic Model up 10KV available
- All safety features incorporated, Zero start, Double Ground,
- Fast overload tripping
- Built-in Timer



Million MegOhm Meter

Application

- Insulation Cables
- Power / Communication cables
- Transformer / Motor
- Electrical Testing lab
- Component Manufacturer

Features

- Wide range of Measurement
- Ultra stabilized power supply (0.001% short term drift)
- Push button controls for rapid testing
- Separate Guard terminal
- Suitable for Ungrounded & Grounded objects



Substation Testing Services / Embedded Solution services

Diagnostic Test Services for Utility and Railway Substation

- We provide following substation services
- Capacitance and Tan Delta test set
 - Insulation Resistance test
 - Transformer Ratio / Resistance Test set
 - Sweep Frequency Response Analysis
 - Earth Resistance Measurement
 - Circuit Breaker time measurement
 - Contact Resistance Measurement ,Etc

Automation / Embed Programing

- Embedded systems are a cornerstone of the electronics industry today.
- Automation Modules
- System Integration
- Project Design

IR Standrd (5KV/10KV) Turns Ratio Meter Standard HV Probe Tan Delta Standard DC Auxiliary Power Supply



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