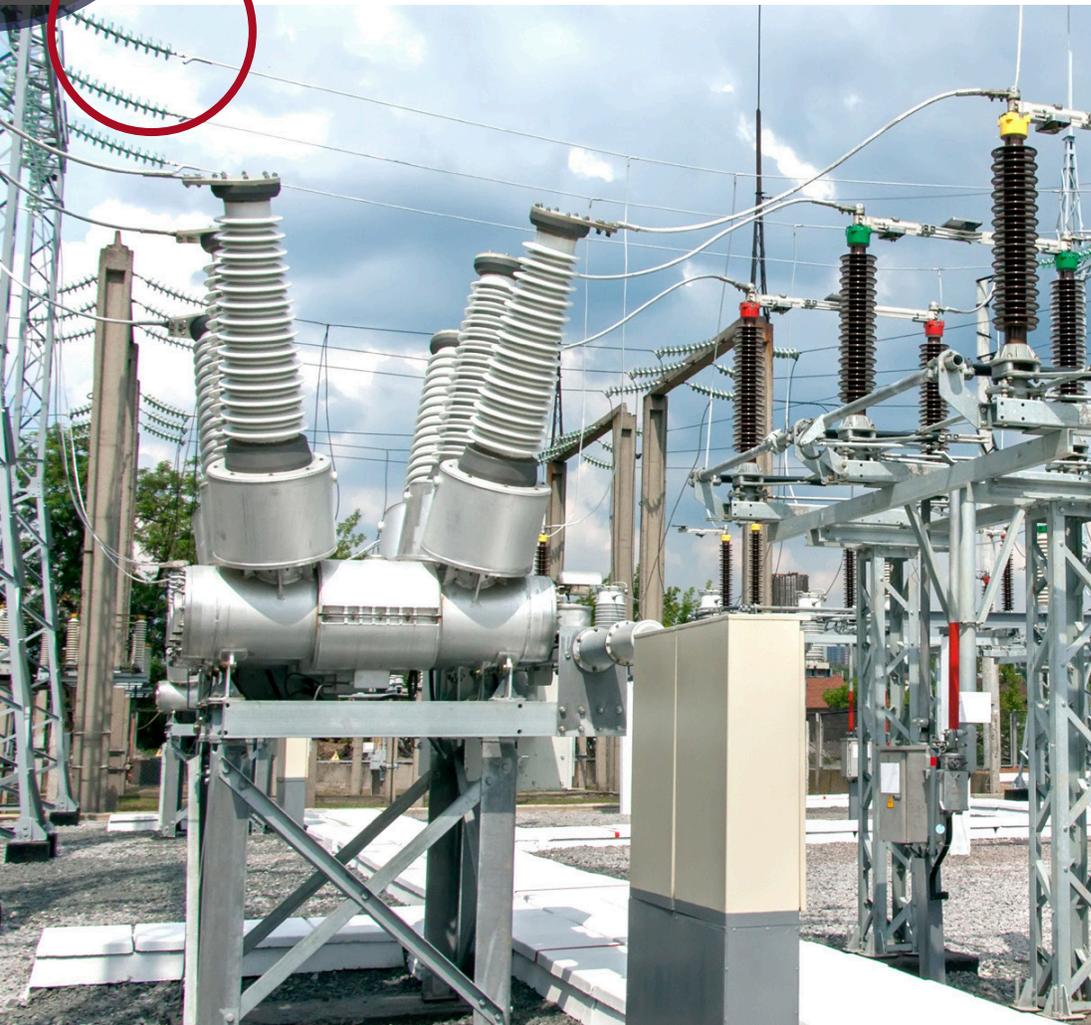




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2024

TRANSFORMER TEST EQUIPMENT



Ares – 200D



200A Dc Micro-Ohm Meter

ARES-200D is a micro-ohmmeter produced using advanced engineering technologies which can apply up to 200 A current. With its easy-to-use software, ARES-200D can easily measure contact resistances of circuit breaker, shunt, disconnecter by applying adjustable current from 1A to 200A.

Key Features

- Contact Resistance Measurement
- Adjustable Current: 1 A to 200 a
- Measurement Range from 0.1 $\mu\Omega$ to 5 Ω
- Typical Accuracy 0.1%
- Static Resistance Measurement
- Dynamic Resistance Measurement
- Dual Ground Test Mode
- Built-in Printer
- Optional current Clamp
- Internal Memory, USB Flash Drive
- PC control via USB cable
- Optional Bluetooth control & communication
- 4.3-inch TFT touch Display
- Protection Class: IP67 (case closed)

CIBRE - 30 Series



**3-Contact Circuit Breaker
Analyser**

CIBRE-30 a 3-Contact Circuit Breaker analyser is designed using advanced engineering technology to test contact timings of circuit breakers

Key Features

- Contact Timing (O, C, O-C, C-O and O-C-O)
- Motion Tests (Transducer speed, Stroke, Bounce)
- 3 Dry Contact Inputs
- Timing Accuracy: 0.05% rdg \pm 0.1ms
- Timing Windows: 1s, 10s & 20s
- Contact Detection Range: Closed \leq 20 Ω & Open \geq 5000 Ω
- Optional Battery
- Optional Bluetooth Communication
- 2.28" Built-in Printer
- 7" TFT Touch Color Display

CIBRE - L3 Series



Circuit Breaker Timer

CIBRE-L3 Series are 3-Contact Circuit Breaker Timers are designed using advanced engineering technology to test contact timings of circuit-breakers.

Key Features

- Contact Timing (O, C, O-C, C-O & O-C-O)
- 3 Dry Contact Inputs
- Timing Accuracy: 0.05% rdg \pm 0.1 ms
- Timing Windows: 1s, 10s & 20s
- Contact Detection Range: Closed $\leq 20 \Omega$ & Open $\geq 5000 \Omega$
- Optional Battery
- Optional Bluetooth Communication
- PC Software
- 2.25" Built-in Printer
- 4.3" TFT Touch Colour Display
- Lightweight and Portable
- Protection Class IP67 (case closed)

CIBRE – L6 Series



Circuit Breaker Timer

CIBRE-L6 Series, 6-Contact Circuit Breaker Timers are designed using advanced engineering technology to test contact timings of circuit-breakers.

Key Features

- Contact Timing (O, C, O-C, C-O & O-C-O)
- 6 Dry Contact Inputs
- Timing Accuracy: 0.05% rdg \pm 0.1 ms
- Timing Windows: 1s, 10s & 20s
- Contact Detection Range: Closed $\leq 20\Omega$ & Open $\geq 5000\Omega$
- Optional Battery
- Optional Bluetooth Communication
- 2.25" Built-in Printer
- 4.3" TFT Touch Colour Display
- Light-weight and Portable
- Protection Class IP67 (case closed)

HARE SERIES



CONTACT RESISTANCE TESTER

Introducing the HARE Series, a state-of-the-art Contact Resistance Tester engineered with cutting-edge technology to revolutionize your resistance testing needs of Circuit Breakers, Shunts and disconnectors, this exceptional device empowers you to apply test currents of up to 100A, 200A, or 300A, depending on your specific requirements.

Key Features

- Portable Contact Resistance Tester 0.4A to 100A
- Adjustable test current (HARE-100) 0.4A to 200A
- Adjustable test current (HARE-200) 0.4A to 300A
- Adjustable test current (HARE-300) Up to 5 Ω
- resistance measurement 0.1 $\mu\Omega$ resolution
- Automatic discharge High EM interferences protection
- Battery-powered
-
- IP67 Protection (case closed)
- 4.3" Resistive touch color display
- Ultra-fast measurement

PICU-1000



1000 VA PRIMARY INJECTION
TEST SYSTEM

PICU-1000 is designed using advanced engineering technology to inject current up to 1000A. PICU-1000 is applicable on current transformers, shunt or wherever high current

Key Features

- MCCB Timing Tests, CT Turns Ratio
- High Output Power
- Frequency-selectable
- Fully Automatic
- 4.3-inch TFT touch color Display
- PC Software (reporting)
- Internal Memory (External Memory also available)
- Compact and Light-weight

SUWI-120 SERIES



Multifunction Substation Test
Set

SUWI-120 series stands as a versatile testing instrument meticulously crafted to evaluate the performance of power and control apparatus within substations, it encompasses an array of essential tests, including the precise assessment of Relay Timing, the determination of a Transformer's Turns Ratio, the scrutiny of Circuit Breaker Contact Resistance and Timing, as well as the examination of MCBs, among other critical functions.

Key Features

- Current Outputs: Up to 120 A DC, Up To 110 A AC
- Voltage Outputs: 220 V DC, 150 V AC
- Universal Input Modules: 4 input module; Binary wet/dry Up to 300 V AC/DC voltage measurement
- Ratio Range: 0.8 – 10,000
- Test Current: Up to 120 A DC
- Measurement Range: Up to 5 Ω
- Timing Windows: 1s, 10s & 20s
- Contact Timing (O, C, O-C, C-O & O-C-O)
- Timing Accuracy: 0.05% rdg ± 0.1 ^{ms}
- IP67 Protection (case closed)

TRAN-203 SERIES



Three-Phase Transformer
Analyser

The TRAN-203 series of instruments are designed to measure the turns ratio and winding resistance of three-phase and single-phase transformers. Via its user friendly interface the TRAN instrument/s provide a fast and accurate assessment of key transformer parameters.

Key Features

- Turns ratio measurement (Single-phase & Three-phase)
- Winding resistance measurement (Single-phase & Three-phase)
- Heat run test/Temperature rise test
- Magnetic Balance Test
- 7-inch TFT Color touch display
- Built in 2.28-inch Printer
- Battery & Bluetooth options
- PC Software

TRIORES-20 SERIES



20A Three-Phase Winding
Resistance Tester

TRIORES-20 Series is designed using advanced engineering technology to measure the winding resistance of transformers, TRIORES-20 Series can measure current, voltage, power transformer windings and shunt resistors.

Key Features

- Fully Automatic Three-phase and single-phase resistance measurement
- Simultaneous primary & secondary measurement without disconnecting and reconnecting cables
- Measurements from $0.1 \mu\Omega$ to $100,000 \Omega$
- 0.001 A to 20 A DC adjustable current output
- High accuracy (0.1%)
- Test Voltage 50 V
- Demagnetisation feature
- Dynamic resistance (OLTC) measurement
- Temperature correction (1 input, sensor optional)
- Data Management Platform (DMP Software) allows to control TRIORES-20, analyse and manage results on PC

TURA-01 SERIES



100V Turns Ratio Tester

TURA-01 is designed to accurately measure the turns ratio of single-phase and three-phase transformers. TURA-01 performs fast and accurate turns ratio measurements on current, voltage and power transformers using its user-friendly interface.

Key Features

- Turns Ratio Measurement (Single-phase and three-phase measurement)
- Ranges from 0.8 to 33,000 Ratio Measurement
- High Accuracy (0.08 %)
- 1V, 4V, 10V, 40 V and 100 V AC Test Voltages
- Ratio Error Measurement
- Excitation current, phase angle, polarity measurement
- Built-in Battery & Printer
- Internal memory, USB Flash Drive
- PC control via USB cable
- Optional Bluetooth control and communication
- 4.3-inch color touch display

TURA-03 SERIES



250V Three-phase transformer
turns ratio testers

TURA-03 is designed to accurately measure the turns ratio of single-phase and three-phase transformers. TURA-03 performs fast and accurate turns ratio measurements on current, potential and power transformers via its user-friendly interface.

Key Features

- Turns Ratio Measurement (Single-phase and three-phase measurement)
- Ranges from 0.8 to 50,000 ratio measurement
- High Accuracy (0.08 %)
- 1V, 4V, 10V, 40V, 100V and 250V AC test voltages
- Ratio Error Measurement, Excitation Current, Phase Angle, Polarity Measurement, Magnetic Balance
- Built-in Printer
- Automatic vector group detection
- Internal memory, USB Flash Drive
- PC control via USB cable
- Optional Bluetooth control and communication
- 7-inch color touch display

VABO-80 SERIES



80 kV Circuit Breaker Vacuum
Bottle Tester

VABO-80 is designed using advanced engineering technology to test circuit-breaker vacuum bottles up to 80 kV DC. ABO-80 has fast, easy and accurate measurement features through its user-friendly software.

Key Features

- Circuit Breaker Vacuum Bottle Interrupter Testing
- Automatic Testing
- 10 kV to 80 kV DC with 1 kV step voltages
- High Accuracy (1.5 %)
- 100 μ A, 200 μ A and 300 μ A leakage current preset value
- Battery (Option)
- 2.25-inch Built-in Printer
- Internal memory (storage up to 200 records)
- External Memory- USB flash drive
- PC Software
- 4.3-inch TFT touch color Display
- IP67 Protection Class (case closed)
- Light-Weight

WINRES-20 SERIES



20A Winding Resistance Tester

WINRES-20 Series is designed using advanced engineering technology to measure the winding resistance of transformers. WINRES-20 Series can measure current, voltage, power transformer windings and shunt resistors

Key Features

- 2-channel resistance measurement
- Measurements from 0.1 $\mu\Omega$ to 100,000 Ω
- 0.001 A to 20 A DC adjustable current output
- High accuracy (0.1%)
- Test Voltage 50 V
- Demagnetisation feature
- On-load Tap Changer Test
- Built-in printer (2.28-inch)
- Data Management Platform (DMP Software) allows to control WINRES-20, analyse and manage results on PC
- Temperature correction (1 input, sensor optional)
- Optional accessory TPA-03 (Three-Phase Adapter) makes WINRES-20 outputs concurrently connectable transformers to primary and secondary sides of three-phase power



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*Let's
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