

ENGINEERING REVIEW



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REER'S Global Leadership in Safety Light Curtains, Controllers & Switches



AN INTERFACE WITH:
A.ZAVIER PAUL ANTONY
DIRECTOR
REER INDIA PRIVATE LIMITED
PG. 24 - 28

TOP STORIES

The World of Safety Switches
& Their Applications
... Pg. 30

Understanding Safety Controllers and Relays:
Ensuring Operational Safety
... Pg. 34

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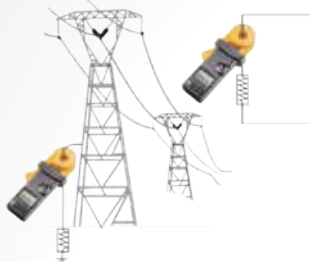
MECO[®]
SINCE 1962

+60 YEARS
ONE MISSION

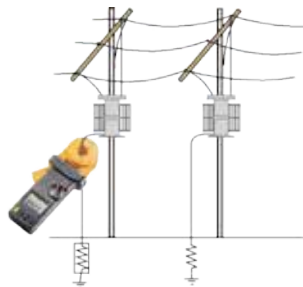
How To Make Ground Resistance & Leakage Current Measurements In Less Than 2 Minutes !!

JAW
65
mm

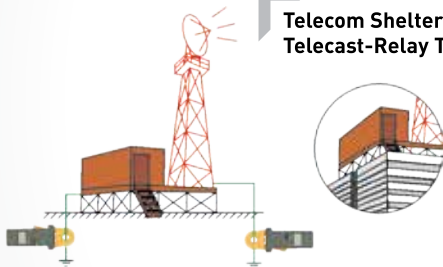
Transmission Towers /
Lightning Arrestors



Distribution Towers / Feeders



Telecom Shelter Cabins /
Telecast-Relay Towers



- ✓ **Non Contact** Measurement
- ✓ **Jaw** 65mm x 32mm (approx.)
- ✓ **Conductor** Size Upto 65mm / 25mm Ø
- ✓ **No Need To Break** Ground Wire / Earth Strip
- ✓ **0.01Ω - 1000Ω**
- ✓ **0.5mA - 30.00A**
- ✓ **Data Storing, Data Hold & APO** Functions



Reliable



Long-Lasting



Affordable

ISO 9001-2015 Certified Company

MECO INSTRUMENTS PRIVATE LTD.



Sales : +91-93233 32435 North & Goa : +91-93244 11558 South : +91-93242 89268
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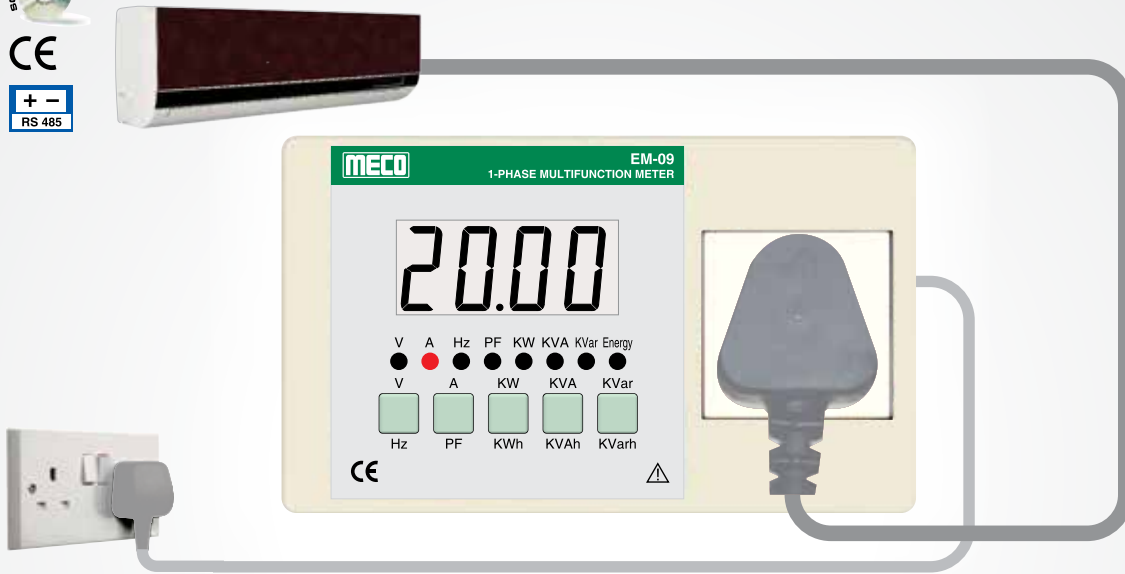
REDUCE YOUR ELECTRICITY BILLS !!

Keep A Check On Efficiency and Consumption Of Home & Office Appliances...



CE

+ -
RS 485



- ✓ **Check Efficiency** of AC, Fridge, Coolers, Freezers etc.
- ✓ **Measures** V, A, PF, Hz, KW, KVA, KVar, KWh, KVAh & KVarh
- ✓ **TRMS Measurement** ✓ **Continuous Measurement**
 - ✓ **Portable**, Easy to Carry and Simple to Use
 - ✓ **RS 485 Port** with MODBUS RTU Protocol
 - ✓ **POWER MASTER** Software for MIS Reports

**Electrical / Electronic Testing & Measuring Instruments
and Electrical Transducer**



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MECO “POWER & HARMONICS ANALYZER – MODEL PHA 5850”

Under BEE's PAT Scheme (Perform, Achieves & Trade) for Eight Industrial Sectors mandated to compulsorily improve their Energy Efficiency by adopting all the available measures including replacement of their old Equipment's with New and Energy Efficient Equipment's

MECO “POWER & HARMONICS ANALYZER – Model PHA 5850” is a state of art versatile instrument using micro controller technology, Ideal to carry out Energy Audits, Vigilance checks, Surveys and Periodic Visits for checking at Industrial and Consumers end.

The measurements can be done on Live loads. Useful to Analysis Power & Quality for 1 & 3 Phase Power System. Large Dot Matrix LCD Display with Backlight of 35 Parameters in screen to monitor TRU RMS Value of AC Current, AC Voltage,

Active / Apparent / Reactive Power, Power Factor, Energy and Average & Maximum Demand. Programmable CTR & PTR with Time Interval are key features. It Displays Individual Harmonics of Voltage & Current upto the 99th Order, THD with Waveform & Peak value.

It Has inbuilt memory of 512K for 17000 records & Optical Isolated USB Interface with users friendly Software and facility to retrieve Power Data & Harmonics on Meter Screen at site. Easy to make Energy Reports from downloaded recorded files.

PHA 5850 Analyzer Kit available with Clamp on CT having Multiple Range of 1/10/100A or 10/100/1000A or Flexible CTs of 300/3000A or 120/1200A as per application. ■



*For Product Enquiry Contact
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Website: www.mecoinst.com*

Prima's MiKro Gas Monitor



*For Product Enquiry Contact
PRIMA Group, India
+91 8238037590,
info@primaequipment.com
www.primagroupindia.com*

PRIMA introduces a new age gas detector in a compact package that can make you aware of the air pollution around you. Prima's MiKro Gas Monitor is a cost-effective and reliable gas detector in a lightweight micro-sized package with a long life span, user-friendly interface, and 18+ pollutant sensing options. It provides the highest quality of Occupational Safety and Health and improves Quality of Life. You can increase productivity and reduce fatigue at the workplace. Its loud

alarm will remind you to take relevant precautionary measures. It is accurate and reliable, with confirmed accuracy across devices within 5% of each other. Due to its innovative, lightweight and ergonomic design, you can use it in any way, on a table-top, as a wall-Mount, as a car mount, etc. It is extremely user friendly with a configurable and loud 85dB Alarm, USB type C charging, data-logging facilities, and 8 hours of battery backup. It measures parameters like Carbon Dioxide (CO₂), Total Volatile Organic Compounds (TVOC), Indoor Air Quality (IAQ), Oxygen (O₂), Particulate Matter (PM_{2.5}, PM₁₀, PM_{1.0}), Carbon Monoxide (CO), Ozone (O₃), temperature, humidity, etc. ■