

2014 Products Of The YEAR

New Power Quality Analyzer - Model 8333



Power measurement: The PowerPad III Model 8333 from AEMC is a three-phase power quality analyzer that is easy to use, compact and shock resistant. It enables technicians and engineers to measure and carry out diagnostics and power quality work on one-, two- or three-phase networks. Current and voltage input terminals are provided. It is IEC 61000-4-30 Class B and safety rated to 600V CAT IV.

The Model 8333 has memory available for storing trend data. Additional internal memory is used to let you store alarms, transients and snapshot data. The user can store up to 12 screen snapshots, up to 51

captured transients that contain four cycles for each active input, and 4,000 alarm events from up to 10 different parameters. Trend data can also be recorded for days, weeks or even months.

Applications include:

- Verification of power distribution circuits,
- In-plant troubleshooting of power distribution panels and individual machinery,
- Monitor pad mount transformers and phase unbalances,
- Determine harmonic problems originating from source or load,
- Determine transformer K-Factor, and
- Energy metering (kVAh, VARh, kWh).

AEMC Instruments
CIRCLE 124 ON READER SERVICE CARD

SureTrace Circuit Tracers Save Time

Utility testing: IDEAL Industries Inc., a manufacturer and supplier of tools, connectors and testing products for the electrical and data communications markets, has introduced its SureTrace circuit tracer that lets electricians quickly locate wires or cables behind walls, pinpoint opens/shorts, and identify fuses and breakers on both energized and de-energized circuits from 0-600V ac/dc.

Designed to keep productivity high and operational costs low, SureTrace circuit tracers have four defined ranges to allow the electrician to select the proper sensitivity for a specific job. No circuit tracer has ever been so user friendly, it's reported. Rather than blinking lights and difficult-to-decipher beeps, SureTrace's display provides a numeric value between 0 and 99

and a variable pitch/tone audible indication as fast-response tracing feedback, while its peak detector instantly registers signal strength. Another time-saving advantage is that handset signal communication is tuned tighter to reduce false signaling on noisy circuits, a common problem with competitors' circuit tracing devices.

IDEAL Industries Inc.
CIRCLE 125 ON READER SERVICE CARD



Three Phase Cable Identifier

Cable test equipment: HD Electric Company's 3ID Three Phase Cable Identifier identifies the correct phases on long lengths of de-energized and discharged overhead and underground cables. It includes a sender and receiver that are designed to be hand held with or without gloves. Because of its higher test voltage, the 3ID can test long lengths of cable. LEDs on both units indicate the 3ID units are connected to the same phases on each end of a cable.



Cable Identifier features:

- Identify all three cable phases simultaneously and any shorted phases;
- Higher test voltage of 36 Vdc allows for longer cable lengths to be tested—has been tested up to seven miles;
- Use in overhead or underground systems;
- Compact, lightweight and easy-to-use;
- Very bright LED indicators;
- Large copper alligator clips with heavy-duty boots;
- Low battery indicator; and
- Made in the USA.

HD Electric Co.
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