

# Electrical Monitoring & Testing



DCE

## Digital Instruments for AC/DC Systems

These highly versatile digital instruments enable continuous and comprehensive monitoring of fixed site or mobile AC and DC electrical systems. They provide quick easy-to-read and accurate information on all important aspects of electrical system status: voltage, current, power consumed, power available and AC frequency. In addition, abnormal system conditions such as high/low voltage trigger user-adjustable alarms.

All read-outs and programming are controlled via touch pads on the instrument face. LCD displays are easily read, even in bright sunlight. Backlighting is provided for use at night or in low-light installations. Instruments mount in 2 1/8" diameter hole and standard instrument faces are 2 1/2" square. ACE and DCE are now available in large scale, 4 1/4" X 4 1/4" face.

### Models

**DCV** Displays DC volts for three battery banks. High/low voltage alarms. 2 1/2" square face.

**DCE** Displays DC volts, amps, energy used/remaining in battery system; 500 amp shunt included. High/low voltage, low amp-hour alarms. Specify 2 1/2" or 4 1/4" square face.

**ACE** Displays volts, amps, frequency and wattage of 115/230 VAC systems. High/low volt/frequency alarms. Current transformer included. Specify 2 1/2" or 4 1/4" square face.

## Electrical System Analyzer

An essential tool for any electrical system installer or site maintenance technician, the Electrical System Analyzer provides extremely accurate data on all major AC and DC electrical functions in a convenient hand-held device with large easy-to-read LCD display.

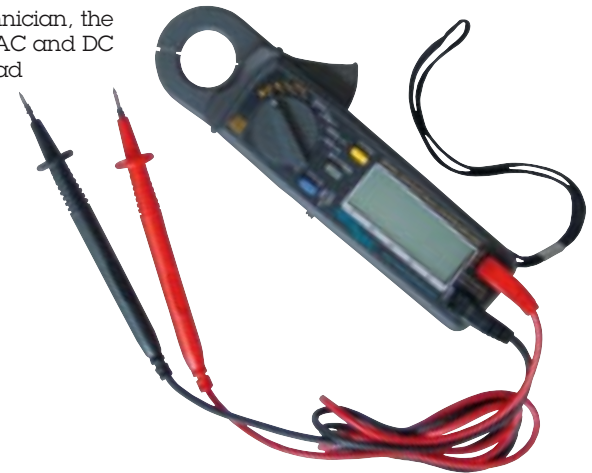
### Measures and displays:

- AC Voltage up to 400 VAC
- AC Current up to 200 Amps
- Frequency at 50-100,000 Hz
- DC Voltage up to 400 VDC
- DC Current up to 200 Amps
- Electrical Continuity

### Features:

- Clamping sensor allows current measurement without disconnecting wiring or shunt installation
- Long easy-grip color coded needle-type test probes
- Operates on two AA batteries (provided)
- Protective carry-case included

Model: ESA



## Digital Battery Analyzer

Simply checking the voltage of site batteries is inadequate for predicting proper performance when called upon during AC outages. The Digital Battery Analyzer provides a comprehensive diagnostic readout of the relative health of critical battery systems in a compact hand-held unit.

- Microprocessor-based analysis of 12 volt batteries of all types: lead-acid, gel-cell or AGM. Can also be used to check overall health of 24 and 48 volt systems by analyzing each 12V battery in the string individually.
- Provides a quick and comprehensive test, then provides the following readouts:
  - 1) Battery voltage
  - 2) Available power (in CCA)
  - 3) One of the following battery condition indicators:
    - GOOD BATTERY
    - GOOD - RECHARGE
    - CHARGE & RETEST
    - REPLACE BATTERY
    - BAD CELL - REPLACE BATTERY
- Test batteries in place—no need to remove from battery string
- Convenient clip-on test leads
- Rugged, compact—weighs less than a pound; easy to use, even in crowded battery racks

Model: DBA



Powering the Network