

Metering



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.

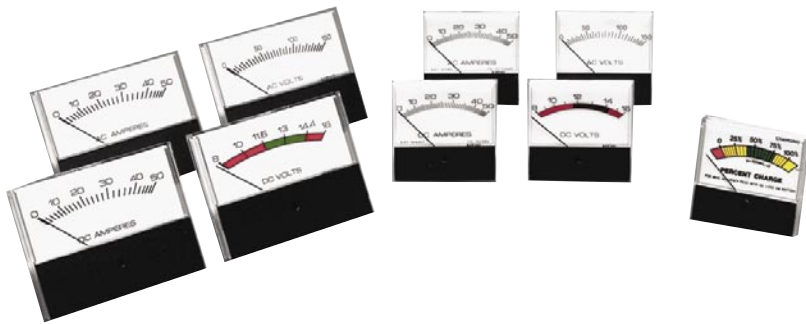
All read-outs and programming are controlled via touch pads on the instrument face. LCD displays are easily read, even in bright sunlight. Backlighting is provided for use at night or in low-light installations. Instruments mount in 2 1/8" diameter hole and standard instrument faces are 2 1/2" square.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



Assemble an electrical monitoring system using these meters and the panel blanks shown below. Meters are now available in Digital and Analog format in 2 1/2" and 3 1/2" sizes. Various sizes of pre-fab meter panels accommodate the two sizes of meters and allow system customization and mounting.

Analog Meters

Easy to read graphics with unit divisions give precise readouts at a glance. Designed for easy front or rear panel mounting. See below for meter panel blanks.

AC Meters

AC Volt 0-150
AC Volt 0-300
AC Amp 0-50
w/current transformer
AC Amp 0-100
w/current transformer

DC Meters

DC Volt 8-16
DC Volt 16-32
DC Amp 0-50 w/shunt
DC Amp 0-100 w/shunt

Replacement Shunts/Current Transformers For Analog Meters

- Shunt for 0-50 DC ammeter
- Shunt for 0-100 DC ammeter
- Current transformer for 0-50 AC ammeter
- Current transformer for 0-100 AC ammeter

Meter Face Measurements

3.5" scale: 3 3/4"W x 2 7/8"H (9.5 X 7.3 cm)

2.5" scale: 2.1/2"W x 2 3/8"H (6.3 X 6.0 cm)

Meter Panel Blanks



MPB-DW

MPB-SW

Window Series

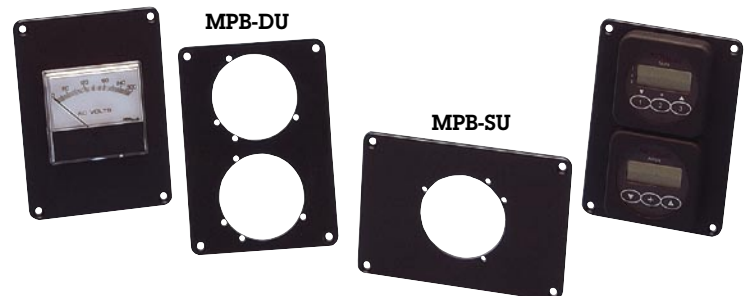
MPB-DW: Dual Window Panel; accommodates two rear-mounted 3 1/2" analog (see above for available options). Panel dimensions (H x W): 7 1/2" x 5 1/4"

MPB-SW: Single Window Panel; accommodates one rear-mounted 3 1/2" analog. Panel dimensions (H x W): 3 3/4" x 5 1/4"

Universal Series

MPB-DU: Dual Universal Panel; accommodates two front-mounted 2 1/2" digital or analog meters (see above) or Digital Instruments (page 20); can be oriented for either horizontal or vertical mounting. Panel dimensions: 5 1/4" x 3 3/4"

MPB-SU: Single Universal Panel; accommodates one 2 1/2" meter or one Digital Instrument in front-mount configuration; can be oriented for either horizontal or vertical mounting. Panel dimensions: 3 3/4" x 5 1/4"



MPB-DU

MPB-SU



DC Power Onboard - Emergency & Specialty Vehicles