

Donar DC Amp-Hour Meter Model A35

Document 1880E

APPLICATIONS:

- Determine capacity in a battery storage system.
- Calculate average current generated or consumed in systems with variable duty cycles.
- Especially useful for monitoring photovoltaic systems.

The Donar DC Ampere-Hour Meter displays accumulated direct current in an electrical circuit. A microcontroller totalizes integrated current values as ampere-hours (the product of instantaneous current values and time). Retains reading after complete power failure.

Donar senses current using 50 mV shunt inserted into the 'common' (return) line in series with the device or system to be monitored. The shunt produces a proportional voltage which is digitized by Donar. The display counter is incremented upon accumulation of a predetermined charge transfer.

The clear cover allows viewing the display while maintaining the integrity of the enclosure. This instrument has been engineered to combine flexibility and ease of operation with high reliability and accuracy.

Shunts of various standard current ratings are available to match your requirements. Other shunts may be substituted in the field.

The N4PC enclosure is weatherproof and suited to wall mounting.



NEMA4 Polycarbonate Enclosure

Options:

Digital Pulse Output is available for recording with the Pulse110 Data Logger.

ISO 9001 Registered

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Donar

SPECIFICATIONS:

Operating Power: Specify when ordering. See Model Designation Voltage range.

Input Device: 50mV current shunt.

Displays: 16 Character LCD Display

Controls: Reset.

Accuracy: Current $\pm 1\%$ of Full Scale, Counter $\pm 1\%$ of reading.

Response Time: 1 ms.

Withstand Capability: Shunt, 50% overload, momentary.

Optional Accessories:

Pulse110 Data Logger

Unattended Operating Period: Until counter overflow.

Ambient Instrument Temp. Range: 0 to 60 degrees C

Environmental Protection: Lightning protection on input; weather resistant enclosure.

Dimensions:

N4PC: Nominal, 7" w x 7" h x 4" d

SPAN: 3.5" w X 5" h X 1.5" d

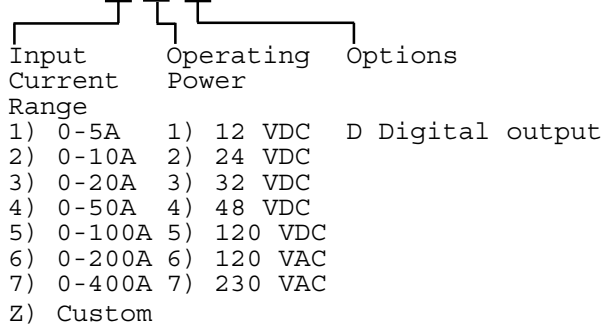
Weight: N4PC: 4 lb. SPAN: 1 lb

Connectors: Barrier strips to accept AWG #12 or smaller wire.

Maintenance: Recalibrate yearly.

Model Designation

A35 - 0



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