

Ampere Hour Meters



IM 2500 Series Ampere Hour Meters are instruments for Battery Monitoring and Electroplating Applications. Numerous options and features make it highly versatile and suitable for electroplating and battery maintenance. Use of timer control in such applications is highly inaccurate. AH meter replaces the timer giving precise control and many more facilities.

- Battery charge / discharge monitoring
- Rectifier on / off control
- Rectifier control while plating of metals like Gold / Silver / Nickel etc.
- Doser control for adding additives and brightner.

FEATURES

- Microcontroller based highly versatile and reliable digital circuitry.
- Dust proof membrane keyboard for programming.
- Ampere Hour / Ampere Min or Ampere Min / Ampere Seconds selection from keyboard.
- Kiloampere Hour (KAh) meters
- Four digit display for current Amp Hour count and Current in Amperes
- One preset count with relay output at preset count.
- Shunt value programmable from keyboard.
- Floating decimal point, automatically selected depending on shunt value.
- Battery back up to retain count in case of power fail.
- External Reset input to reset count.
- DIN Panel Mount Size 96 x 96 x 150 mm

GENERIC SPECIFICATIONS

- 4 digit and / or 6 digit LED display Or 16 character alphanumeric LCD display
- Shunt value settable at 75 or 60 or 100 mV
- Resolution 1 Ampere Hour / Ampere minute or ampere seconds
- Relay output rated 230 V / 5 Ampere (resistive)
- Back up to retain count in case of power failure
- Automatic 0.1 AH resolution for lower shunt values
- Supply 90-270 V AC or 10-30 V DC or 30-60 VDC

OTHER PRODUCTS

- Other Products related to Battery and Electroplating Industry
- Timers / Life Cycle Timers / Charge - Discharge Cyclic Timers
- Temperature Controller
- Battery monitoring Data Loggers / Battery Comparative Test Loggers
- DC Wattmeters



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IM2500 Series Ampere Hour meters are available in various models to suit almost all the requirements of electroplating and battery industry.

Following model is ideally suitable for Electroplating application

- Model IM2503 : Ampere hour minute meter with totaliser and Two Doser control relays for additive and brightner addition.
- IM2509 : Ampere Hour minute meter with totaliser and Three Doser control relays
- IM2508 : Ampere Hour Profile controller suitable for Battery formation
- IM2510 : Ampere Hour meter with Timer

Following models are suitable for Electroplating as well as battery applications

- IM2501 : 4 digit Ampere Hour Ampere Minute Ampere Seconds meter
- IM2502 : 4 digit Ampere Hour Ampere Minute Ampere Seconds meter with 6 digit totaliser
- IM2506 : 6 digit Ampere hour Ampere Minute Ampere Seconds meter

Following models are suitable specifically for Battery applications

- IM2505 : Charge / Discharge Ampere Hour meter with AH count to track present battery charge
- IM2507 : Ampere Hour meter with independent Charge and Discharge AH count
- IM2511 : Charge Discharge Ampere Hour / Watt Hour meter with Voltage display
- IM2512 : Ampere Hour Meter with Current limit for Rectifier control while battery charging

Following are modules available to enhance Ampere Hour Meter application

- TE2504 : Stand alone Table top Cabinet with any of above Ampere Hour meter with terminations bought out for easy connection
- IM2513 : Master Unit which can communicate with multiple Ampere Hour Meters suitable for applications to add additive and brightner in a tank with multiple rectifiers.

Options : Following are suffix as per options available

C : Current display

S : Serial RS232 Modbus Interface

M : Serial RS485 Modbus Interface

K : Kilo AH Meter

A : Analog Output 0-10 V DC

W : Watt Hour Meter

Visit us at

www.amperehourmeter.com



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