

KVAR Tech- 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.

- 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

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



KVAR - Ampere Hour Meters

Model No.	Description	Applications	
		Battery	Electroplating
IM2501	4 digit Ampere Hour Ampere Minute Ampere Seconds meter	✓	✓
IM2502	4 digit Ampere Hour Ampere Minute Ampere Seconds meter with 6 digit totaliser	✓	✓
IM2503	Ampere hour minute meter with totaliser and Two Doser control relays for additive and brightner addition		✓
IM2505	Charge / Discharge Ampere Hour meter with AH count to track present battery charge	✓	
IM2506	6 digit Ampere hour Ampere Minute Ampere Seconds meter	✓	✓
IM2507	Ampere Hour meter with independent Charge and Discharge AH count	✓	
IM2508	Ampere Hour Profile controller suitable for Battery formation	✓	
IM2509	Ampere Hour minute meter with totaliser and Three Doser control relays		✓
IM2510	Ampere Hour Meter with Timer	✓	
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 KVAR AHM Models with ready termination
- **IM2513** : Master Unit communicating with multiple AHMs to add additive and brightner with multiple rectifiers

Options : Following are suffix as per options available

Suffix	Option
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