



# 3-phase AC Power Meter · ACPM-1

The ACPM-1 is a self-powered kilowatt hour (kWh) energy and power meter that communicates on an EIA RS-485 network. The device can be installed on 1, 2 or 3-phase ("Y" installations only) electric power systems operating at voltages ranging from 120 to 600 Vac (options: /120, /208-240, /480, /600). The ACPM-1 offers high accuracy current measurement over a wide range (5A to 5000A) when used with the proper current transformer (CT).

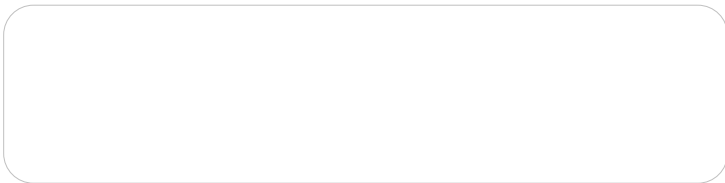
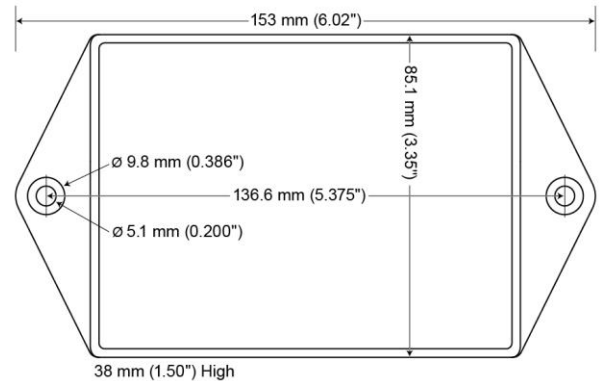
The ACPM-1 communicates over a half-duplex EIA RS-485 interface. Standard baud rates are 9,600 and 19,200 baud. The ACPM-1 uses the industry standard MODBUS RTU (binary) communication protocol, allowing up to 127 units per RS-485 subnet.

The ACPM-1 compact size permits installation inside of most electrical service panels and junction boxes. Detachable screw terminals make wiring easy.

ELECTRICAL SPECIFICATIONS	
Supply Voltage:	120V, 208V-240V, 480V, 600V depending on model
Power Line Frequency:	50 or 60 Hz
Operating Voltage Range:	-20% to +15% of nominal
Accuracy:	0.5%
CT Input:	0.333Vac nominal
Driver Output Voltage:	±1.5V (54 Ohms load)



MECHANICAL SPECIFICATIONS	
Dimensions:	5.63 x 3.34 x 1.5 in. (W x D x H) 143 x 85 x 38 mm
Weight:	10.8oz (0.36kg)



**RISK OF ELECTRICAL SHOCK AND DEATH**

**INSTALLATION MUST BE CARRIED OUT BY QUALIFIED PERSONNEL**