

Accuenergy Basic kWh Meter

- TRMS Power measurement
- 4-Quadrant Energy
- 3-line LCD display with backlight
- Multiple current transformer (CT) options
- 0.5% accuracy
- 5 year warranty
- Built-in Modbus RTU



Acuvim-KL

The Acuvim-KL is a simple, effective and low-cost energy monitor. It displays clear use data, allowing energy saving opportunities to become apparent. Modbus communications easily interfaces to a data collection network. The Acuvim-KL fits 92mm DIN or 4" round ANSI panel cutouts. DIN rail mount is optional.

ORDERING INFORMATION

Part Number	CT Input	Power Supply
Acuvim-KL-D-5A-P1	5A	100-415Vac (50/60Hz) / 100-300Vdc
Acuvim-KL-D-5A-P2	5A	20-60Vdc
Acuvim-KL-D-1A-P1	1A	100-415Vac (50/60Hz) / 100-300Vdc
Acuvim-KL-D-1A-P2	1A	20-60Vdc
Acuvim-KL-D-333-P1	333mV	100-415Vac (50/60Hz) / 100-300Vdc
Acuvim-KL-D-333-P2	333mV	20-60Vdc

SPECIFICATIONS

Function	Parameters	Resolution	Range
Current	I1, I2, I3	0.001A	0-50000A
Power	P1, P2, P3, Psum	1W	±9999MW
Reactive Power	Q1, Q2, Q3, Qsum	1var	±9999Mvar
Apparent Power	S1, S2, S3, Ssum	1VA	0-9999MVA
Energy	Ep_imp, Ep_exp	0.1kWh	0-99999999.9kWh
Reactive Energy	Eq_imp, Eq_exp	0.1kvarh	0-99999999.9kvarh
Apparent Energy	Es	0.1VAh	0-99999999.9kVAh
Run Time	Hours	0.1hrs	0-99999999.9hrs
Load Run Time	Hours	0.1hrs	0-99999999.9hrs

Current Inputs (Each Channel)

Nominal Current:	5A/1Aac
Metering Range:	0-6Aac
Withstand:	20Arms continuous, 100Arms for 1s, non-recurring
Burden:	0.05VA (typical) @ 5Arms
Pickup Current:	0.1% of nominal

Voltage Inputs (Each Channel)

Nominal Full Scale:	400Vac L-N, 690Vac L-L (+20%)
Withstand:	1500Vac continuous, 2500Vac, 50/60Hz for 1min
Input Impedance:	2Mohm per phase
Metering Frequency:	45Hz-65Hz
Pickup Voltage:	10Vac
Accuracy:	0.5% (Class 0.5s)
Communications:	RS-485 2-wire, isolated, 1200-38400 baud
Operating Temperature:	-20°C to +70°C, 5-95% RH non-condensing
Power Supply:	3W burden
Withstand:	3250Vac (50/60Hz) for 1 minute
Dimensions:	96 x 96 mm front, 51 mm depth

Trumeter AC Mains Powered Meters

- Measure Volts, Amps or Frequency
- Large 4 digit main display
- 4 character alphanumeric for units, alarm or custom message
- 40 segment curved bargraph
- Dynamic backlight color
- Digital & analog outputs
- USB setup software



APM-M2-APO



Negative LCD

The APM-M2 can be programmed (using the free setup software) to measure volts, amps or frequency. It auto-detects AC or DC on the input, and measures up to 600V with an accuracy of 1%. The dynamic display can change color, flash and/or change annunciator message depending on signal level. Digital outputs can be set to activate when input is above, below, between or outside the setpoints.

ORDERING INFORMATION

APM-M2-APO	Volts/Amps/Freq. Meter, 100-240VAC power, Positive LCD
APM-M2-ANO	Volts/Amps/Freq. Meter, 100-240VAC power, Negative LCD
022128-01	USB Cable (for setup)

SPECIFICATIONS

Input Range:	Volts: 0 - 600V DC or AC rms (30-400Hz) Amps: 0 - 5A DC or AC rms direct (30-400Hz) Amps with CT: 0 - 10,000A AC Frequency: 2 - 400Hz
Accuracy:	1% (volts & amps); 0.1% (frequency)
Input Impedance:	1.5MΩ (volts & frequency); 2mΩ (amps)
Sample Rate:	62kHz
Main Display:	4 digits, 12mm [0.47"] high
Annunciator Display:	4 alphanumeric characters, 6mm [0.23"] high
Backlight Colors:	Red, Green, White (user selectable)
Positive LCD Display:	Black scale on white or colored background
Negative LCD Display:	White or colored scale on black background
Viewing Angle:	±70°
Programmable Items:	Function; digital display offset, gain, range; Bargraph span; Custom annunciators; Backlight color & intensity; Two alarm setpoints; Digital & analog outputs
Setup:	USB 2.0 port using the free Windows based APM Configurator software
Temperature:	-10 to +60°C operating
Front Protection:	IP65, NEMA 4, NEMA 12
Power Supply:	100-240VAC ±10%, 47-63Hz, 1.6W
Isolation:	3.6kV, 1 minute
Digital Outputs:	One or two open collector sinking
Rating:	34VDC, 500mA max.
Analog Output:	4-20mA
Accuracy:	0.5%
Resolution:	0.02mA
Connections:	Screw terminals
Certification:	UL and cUL, CE
Dimensions:	72x72x53mm. Panel cutout 68x68mm