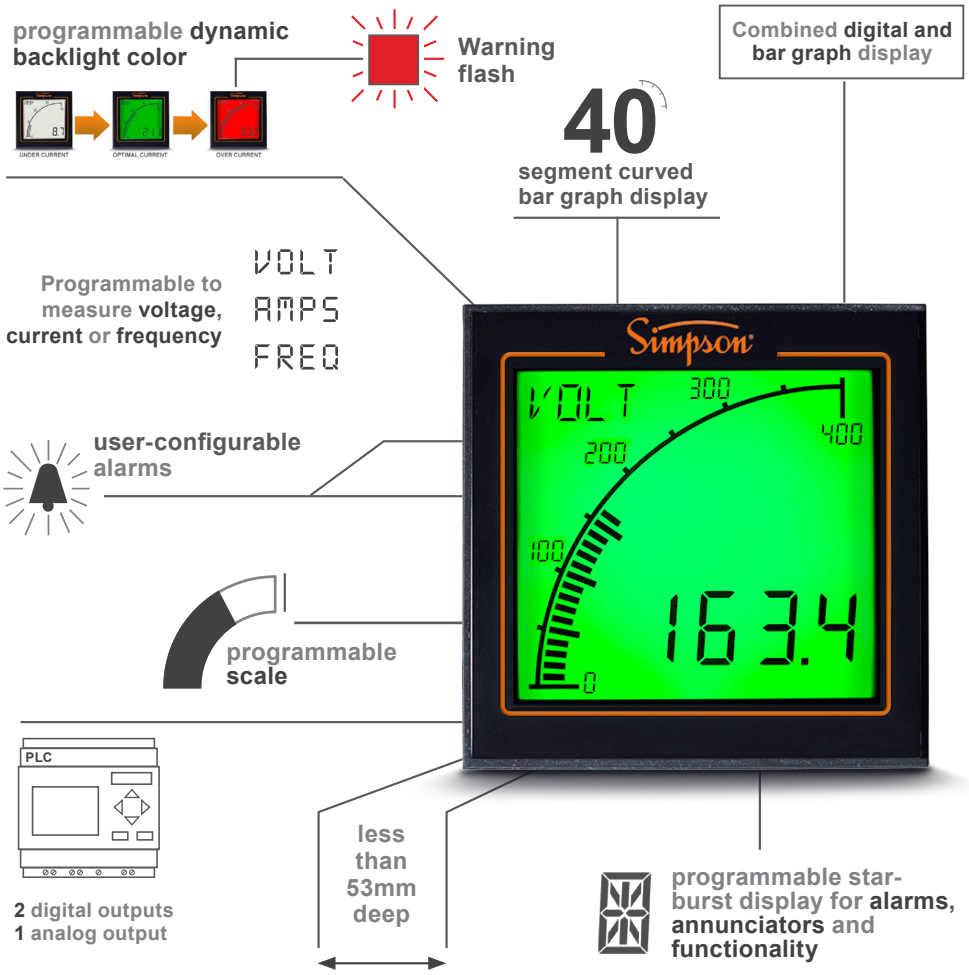
Simpson®
MADE IN THE USA SINCE 1936 | RELIABILITY BEYOND MEASURE

AC Powered Meter

For measuring volts, amps or frequency

Bear



Overview

Measurement:
- Volts: 0-600 AC or DC
- Amps: 0-5A Direct
  0-10,000A via CT
- Frequency: 2Hz-400Hz

Outputs:
- 2x digital open collector
- 1x analog 4-20mA

Input Power:
- 100-240VAC

Configuration:
- PC Application via USB

mains powered
100-240 VAC

Key Features

- Mains powered 100-240VAC - no additional power supply needed.
- User configurable to measure voltage, current or frequency via MAK application.
- User-programmable bar graph and alarms to immediately alert operators when a parameter is out of range.
- 4 character messaging area displays custom messages, alarms and annunciators.
- Interface to other equipment using digital and analog outputs.
- Two LCD options: Positive (as shown) for use in bright conditions or Negative for use in darker environments.

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Specifications

POWER SUPPLY

Input	100 - 240VAC
Max Power	1.6W
Supply Frequency	47-63Hz

ENVIRONMENTAL

Temperature - operating	-10 to +60°C
Temperature - storage	-40 to +70°C
IP rating (from the front)	Nema 4X & 12 with IP65

DISPLAY

User Configurable Backlight Colors	Red, Green, White

ANALOG OUTPUT

Output	4-20 mA
Accuracy	0.50 %
Resolution	0.02 mA

OPEN COLLECTOR OUTPUTS

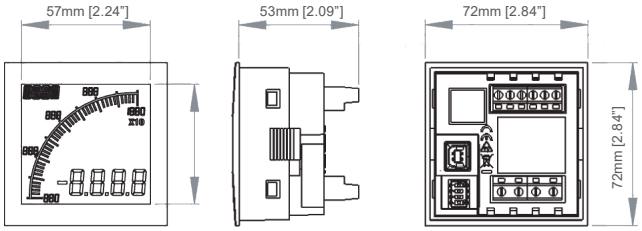
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

CERTIFICATION

	CE, RoHS, UL

MECHANICAL

Dimensions	72mm x 72mm x 53mm [2.83” x 2.83” x 2.09”]
Cutout	68mm x 68mm [2.68” x 2.63”]
Connection Type	Screw Terminals
Wire Gauge	0.8mm² - 3.3mm² (18AWG to 12AWG)
Weight	180 grams



Part Numbers

APM-M2-MAK	AC Powered Meter, 100-240VAC, with Positive LCD

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Simpson:
APM-M2-MAK