

Sifam Digital ANSI/DIN Switchboard Meters

Field programmable, multi-function power and energy meters that fit standard switchboard or 1/4 DIN mounting.

Alpha 20A+ 3 Line LED Display



- » TRMS measurement
- » 1 phase & 3 phase (3/4 wire), on-site selection
- » Fully programmable CT & PT ratios
- » 3 phase V (L-L) / V (L-N), 3 phase current, Hz.
- » Power Factor per phase, Phase Angle
- » Active / Reactive / Apparent Power per phase
- » Active / Reactive / Apparent Energy per phase
- » RPM, Run Hour, On Hour, Number of interrupts

Alpha 30A+ 3 Line LED Display with Annunciators



- » 3 phase V (L-L) / V (L-N)
- » 3 phase Currents
- » Frequency, Power Factor
- » Power (active, reactive, apparent)
- » Energy (active, reactive, apparent)
- » Phase Angle (L1, L2, L3)
- » Run hour, On hour, Number of interruptions
- » KW / KVA (import/export, demand)
- » Phase Reversal indication, Max. Demand
- » % THD measurement for V & I
- » Accuracy: 0.2 class for Energy

Alpha 50A+ LCD Touch Screen, Power & Energy



- » 3 phase V (L-L) / V (L-N), 3 phase Currents
- » Frequency, Power Factor
- » Power (active, reactive, apparent)
- » Energy (active, reactive, apparent)
- » Phase Angle (L1, L2, L3)
- » Run hour, On hour, Number of interruptions
- » kW / kVA (import/export, demand)
- » Phase Reversal indication, Max. Demand
- » % THD measurement for V & I
- » Waveform & Phasor Diagram display
- » Accuracy: 0.5 class for Energy

Alpha 40A+ LCD Energy Meter



- » Unit with LCD displaying 3 parameters
- » TRMS measurement
- » THD measurement
- » Energy measurement as per IEC 62053
- » Import / Export kWh, Phase Reversal, kW, PF
- » RUN hour, ON hour, RPM
- » RS-485 Modbus option
- » Class 1 for Active, Apparent; Class 2 for Reactive

Alpha 70A+ LCD Touch Screen, Power Quality



- » Measures more than 80 electrical parameters.
- » TRMS measurement up to 56th harmonic
- » Time stamping of Sag / Swell
- » Graphical presentation
- » Energy class 0.5S as per IEC 62053
- » Impulse for energy verification
- » Time of Day

ORDERING INFORMATION

To Order: Select Model, Power & Option. Example: A30A+-1-Q-R1

Model

A20A+-111	1 phase Alpha 20A+
A20A+-311	3 phase Alpha 20A+

Power

-EA	20-60VDC/20-40VAC 50/60Hz
-LA	60-300 VDC/AC 50/60Hz

Option

-P	One Pulse output (limit switch)
-R	RS-485 Modbus RTU protocol (2 wire)

Model

A30A+-1	1 phase Alpha 30A+
A30A+-3	3 phase Alpha 30A+
A50A+-1	1 phase Alpha 50A+
A50A+-3	3 phase Alpha 50A+

Power

-D	20-60VDC/20-40VAC 50/60Hz (Alpha 30A+ only)
-Q	20-60VDC/20-40VAC 50/60Hz (Alpha 50A+ only)
-H	60-300 VDC/AC 50/60Hz

Option

-S	One Pulse output for Energy
-D	Two Pulse output for Energy
-R	RS-485 Modbus RTU protocol (2 wire) integer or floating
-E	Ethernet output Add-on Card
-1	2 Analog outputs 0-1mADC
-2	2 Analog outputs 4-20mADC
-RS	1 Pulse output for Energy + RS-485 Modbus
-S1	1 Pulse output for Energy + 2 Analog outputs 0-1mADC
-S2	1 Pulse output for Energy + 2 Analog outputs 4-20mADC
-RD	2 Pulse output for Active and Reactive Energy + RS-485
-R1	RS-485 Modbus + 2 Analog outputs 0-1mADC
-R2	RS-485 Modbus + 2 Analog outputs 4-20mADC
-RS1	RS-485 Modbus + 1 Pulse out + 2 Analog out 0-1mA
-RS2	RS-485 Modbus + 1 Pulse out + 2 Analog out 4-20mA

Model

A40A+-1	1 phase Alpha 40A+
A40A+-3	3 phase Alpha 40A+

Power

-L	20-60VDC/20-40VAC 50/60Hz
-U	60-300 VDC/AC 50/60Hz

Option

-P	One Pulse output for utility/generator
-R	RS-485 Modbus RTU protocol (2 wire)
-RP	1 Pulse output for Energy + RS-485 Modbus

Model

A70A+-18F75	1 phase Alpha 70A+
A40A+-38F75	3 phase Alpha 70A+

Power

-Q	20-60VDC/20-40VAC 50/60Hz
-H	60-300 VDC/AC 50/60Hz

Option

-L	Impulse LED
-R	RS-485 Modbus RTU protocol (2 wire)
-D	2 Pulse outputs