

MODELS: ALPHA⁺ 3VAF, 3V, V, 3A, A, ADC, VDC; μ ALPHA⁺ VAF, 3V, V, 3A, A, ADC, VDC

Optional module for Direct current measurement up to 40 Amps



SMART BASIC METERS

- True RMS
- Four digit resolution
- Average & phase wise information
- Field programmable Star (Wye) or Delta
- Universal auxiliary input 80 - 300 VAC
- DC auxiliary option of 20 to 110V available (without relay output option)
- Compact sizes 96 x 96 x 50, 96 x 48 x 45 mm
- Auto-scrolling, Auto-scaling
- Optically isolated RS 485/ RS 232 serial Interface - Optional
- User programmable password protection

ALPHA⁺ 3VAF

BASIC PACK



1 Row display 96x96x50mm

Optional programmable Relay output (upto 2) for any threshold V, A, Hz (Under or Over), programmable tripping time upto 99 sec. with Hysteresis of 1%

- Display Line to Line Voltage -average and phase wise, Amps - average and phase wise & Frequency (External selector switch to be used for μ Alpha⁺ VAF)
- Field programmable PT/CT ratio including secondary
- Programmable for single phase applications

μ ALPHA⁺ VAF



1 Row display 96x48x45mm

ALPHA⁺ 3V

VOLTAGE PACK



1 Row display 96x96x50mm

Optional programmable Relay output (upto 2) for any threshold V, Hz (Under or Over), programmable tripping time upto 99 sec. with Hysteresis of 1% (Alpha only)

- Displays Voltage Line to Line and Line to Neutral Average and Phase wise
- Displays Frequency
- Field programmable PT ratio.
- Models: Alpha⁺ 3V, μ Alpha⁺ 3V (3 phase measurement), Alpha⁺ V, μ Alpha⁺ V (Single Phase)
- True RMS measurements neutral to earth voltage option

μ ALPHA⁺ 3V



1 Row display 96x48x45mm

ALPHA⁺ 3A

AMPS PACK



1 Row display 96x96x50mm

Optional Programmable Relay output (upto 2) for any threshold A (Under or Over), programmable tripping time upto 99 sec. with Hysteresis of 1%

- Display Amps - Average and Phase wise
- Field programmable CT ratio including Secondary
- Models: Alpha⁺ 3A, μ Alpha⁺ 3A (3 Phase), Alpha⁺ A, μ Alpha⁺ A (Single Phase)
- Low current option (500 mA) available

μ ALPHA⁺ 3A



1 Row display 96x48x45mm

ALPHA⁺ ADC

DC PACK



1 Row display 96x96x50mm

- MODELS: Alpha⁺ ADC, μ Alpha⁺ ADC, Alpha⁺ VDC, μ Alpha⁺ VDC, RPM
- 75mV, 100mV, 10V, 100V, 500V DC measurement (Vin)
 - 0-20 mA or 4-20 mA input options 4 digit Resolution for ADC/RPM
 - DC Auxiliary Supply option of 20 to 110V available
 - Field Programmable Full scale & Offset value

μ ALPHA⁺ ADC



1 Row display 96x48x45mm

MODELS: OMEGA 1400, 1300

- True RMS
- Four digit resolution
- Average & phase wise information
- Universal auxiliary input 80 - 300 VAC
- Compact sizes 96 x 96 x 50 mm
- Auto-scrolling, Auto-scaling
- Optional optically isolated RS 485/ RS 232 serial Interface
- User programmable password protection

- Accuracy class 1.0 IEC 61036 / CBIP 88 (0.5, 0.2 option)
- Simultaneous sampling of Volts & Amps
- Clearance and Creepage distance meets UL 508 safety standard
- Field programmable Star (Wye) or Delta or single phase configuration
- Available in 3 row and 4 row displays



Optional module for Direct current measurement up to 40 Amps

OMEGA 1400

BASIC PACK



4 Row display 96x96x50mm

- Displays more than 17 Basic parameters
- **Simultaneous display of average VLL, VLN, Amps, Hz or Average and phasewise parameters in a single page**
- PF average and phasewise
- Simultaneous display of VLL, AR, AY, AB for load monitoring
- ON hours
- Generator RPM display
- Auto scrolling

- Optional programmable Relay output (upto 2) for any threshold V, A, Hz, Phase missing Programmable tripping time upto 99 sec. with Hysteresis of 1%

OMEGA 1300

BASIC PACK



3 Row display 96x96x50mm

- Displays more than 13 Basic parameters
- **VLL, VLN, Current Average and Phasewise**
- Autoscaling of Kilo, Mega and Giga
- Auto Scrolling

ECO Friendly Lead Free

18 Months Warranty

TECHNICAL SPECIFICATION

SPEC	SERIES	Alpha Plus / Micro Alpha Plus / Omega
Accuracy		Class 1 (Default) IEC 61036, CBIP 88, Class 0.5 (Option).
Sensing/		True RMS, 1 Sec update time.
Input voltage		4 Voltage inputs (VR, VY, VB, VN) Programmable 110 or 415V LL Nominal (Range 80 to 550V LL) Primary Programmable upto 999 kV.
Burden		0.2VA Max. per phase.
Input current		Current inputs (AR, AY, AB) 50mA - 6A (Field configurable 1A or 5A) Primary Programmable upto 99 kA.
Overload Burden		10A max continuous, 50A max for 3 Sec 0.2VA Max. per phase.
Aux-Supply (Control Power) Burden		80 - 300V AC/DC, 40-70Hz. 48 V DC Option. 4VA Max
Display		4digits display with 10 mm height for OMEGA series, 14 mm height for Alpha Plus & μ Alpha Plus series
Communication		RS485 serial channel connection Industry standard Modbus RTU protocol (RS232 optional).
Baud rate		1200 bps to 19200 bps. (Preferred 9600bps)
Isolation		2000 volts AC isolation for 1 minute between communication and other circuits.
Weight (Approx) Unpacked Shipping		300 gms 400 gms

Note: Additional error of 0.05% when the current is below 500mA



ElMeasure strives for continuous product innovation. Product specifications are therefore subject to change without notice.

Range of Products: EMS, Demand Controller, Multi-Function Meters, Load Manager, Electronic Energy Meters, Dual Energy Meter, Digital Panel Meters, Intelligent Earth Leakage Relay, Power Factor Controller, Motor Protection Systems, Power Distribution Unit, Portable Analyser, Power & Energy Transducers, RS485 to RS232/Ethernet/Optic Fiber Converter, RF Modem and GSM Modem.



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