

DIN 70mm

**Features :**

- 3 True RMS Voltage Current
- 3 Power Active Reactive
- 3 Energy Active Reactive
- Monitors electrical parameters for 4 loads 3 12 loads 1
- RS485 communication MODBUS RTU protocol
- Energy Active Reactive
- Self powered

Certification : **Display specifications**

Display	LCD with Backlight, 3 rows
Digits	1 row of 4 digits 2 rows of 7 digits
Digit height	0.24
Resolution	For energy : 0.01k, 0.1k, 1k, 0.01M, 0.1M, 1M (depending upon CT ratio x PT ratio) For Power, Voltage : Auto resolution For Power factor : 0.01 Voltage (L - L / L - N) : $\pm 0.05\%$ of F.S. Current : $\pm 0.05\%$ of F.S., Frequency : $\pm 0.1\%$ Power & Energy (Active, Reactive, Apparent) : 1%
Protection features	Password protected for set-up

**Input specifications**

Type of measurement	TRUE RMS
Sampling rate	100 Samples / Cycle
Electrical connections	3 $\varnothing$ - 4 wire (Wye), 1 $\varnothing$ - 2 wire (L-N)
<b>Data update rate</b>	
Instantaneous	1 sec
Demand	15 sec
<b>Input-voltage</b>	
PT primary	100V to 10kV (Programmable for any Value)
PT secondary	100V to 500V AC(L-L) (Programmable for any value)
Voltage nominal	240V AC L-N / 415V AC L-L
Measured V with full range	60 to 300V AC, 50 / 60Hz, Self-Supplied, (V1, N)
Permanent overload	750V AC L-L
Impedance	0.8M
Frequency range	45 - 65Hz
VA burden	0.2W at 300V AC L-N / Phase
<b>Input-current</b>	
CT ratings primary	1 / 5A up to 10kA (Programmable for any Value)
CT ratings secondary	330mV
Current nominal	330mV
Measured Amps with over range & Crest factor	3.3mV to 396mV
Frequency range	45 - 65Hz

**Measurement accuracy**

Current	$\pm 0.5\%$ of F.S.
Voltage	$\pm 0.5\%$ of F.S.
Power factor	$\pm 0.01$
Power	1%
Frequency	$\pm 0.1\%$
Active energy	1%
Reactive energy	1%

**Output specifications**

Device ID & Parity	1 to 255 & None, Odd, Even
Protocol & Interface	RS485 and MODBUS RTU
Baud rate	300, 600, 1200, 2400, 4800, 9600, 19200 baud
Transmission mode	Half duplex
Transmission distance	500 meter maximum
Transmission speed	300, 600, 1200, 2400, 4800, 9600, 19200 baud
Stop bits	1 or 2
Response time	100 ms (Max and independent of baud rate)
Isolation	2kV RMS

**Mechanical specifications**

Weight	290 gms (10 Oz)
Material	LE AN 923- 7035 GRE
IP degree of protection	(IEC 60529) IP51 Front only
Torque at terminals	0.68 N-m to 0.79 N-m
Mounting position	Din Rail

**Auxiliary supply specifications**

Supply voltage	60 to 300V AC, 50 / 60Hz, Self -Supplied, (V1, N)
Burden	6 W at 277V L-N
Frequency	50 / 60 Hz nominal
Ride-through time	100 ms typical at 120V AC and maximum burden 100 ms typical at 277V AC and maximum burden