

Features :

- True RMS (Voltage, Current)
- Power (Active, Reactive, Apparent)
- Energy (Active, Reactive, Apparent)
- Programmable CT PT Primary Secondary
- Import Export Energy
- Single pulse output
- Phase angle detection
- Max Min demand power
- Run hour
- Auxiliary supply of to AC VDC

Certifications : 

Display specifications

Display	7 segments LED , 3 rows 2 rows of 8 digits for energy display
Digits	4 digits
Digit height	0.49
Resolution	For energy : 0.01 , 0.1 , 1 , 0.01M, 0.1M, 1M (depending upon CT ratio PT ratio) For Power, Voltage, Current : Auto resolution For Power factor : 0.001
Protection features	Password protected for set-up & clearing energy and Min/Max data

Input specifications

Type of measurement	TR E RMS
Sampling rate	100 Samples / Cycle
Electrical connections	3 - 3 wire (Delta), 3 - 4 wire (Y) 2 - 3 wire, 1 - 2 wire (L-N)
Data update rate	
Instantaneous	1 sec
Demand	15 sec
Harmonics	5 sec
Input-voltage	
PT primary	100V to 500 V (Programmable for any value)
PT secondary	100V to 500V (Programmable for any value)
Voltage nominal	240V AC L-N / 415V AC L-L
Measured V with full range	11 to 300V AC L-N, 19 to 519V AC L-L
Permanent overload	750 V AC L-L
Impedance	≥0.8M
Frequency range	45 - 65Hz
VA burden	<0.2VA at 300V AC L-N / Phase
Input Current	
CT ratings primary	1/5A to 10 A (Programmable for any value)
CT ratings secondary	1/5A Programmable
Current nominal	5A
Measured amps with over range & crest factor	20mA to 6A
Withstand	120A for 1 sec
Frequency range	45 - 65Hz
VA burden	0.5VA at 5A / Phase

Measurement accuracy

Current	±0.5% of F.S.
Voltage	±0.5% of F.S.
Power factor	±0.01
Power	±1%
Frequency	±0.1% For L-N Voltage 20V For L-L Voltage 35V
Active energy	Class 1 as per IEC62053-21
Reactive energy	Class 1 as per IEC62053-21
THD & Individual Harmonic, V & A	p to 3 rd Level

Output specification

Pulse output	Voltage range : External 24V DC max Current capacity : 100mA max Pulse width : 100 ms ±5 ms Configurable pulse weight from 1 to 9999000 pulses/ Wh
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Mechanical specifications

Weight	200 gms (7 Oz)
Material	MAKROLON 6557 SMOKE LACK
IP degree of protection	(IEC 60529) IP51 Front only
Torque at terminals	0.68N-m to 0.79 N-m
Wire gauge at terminals	20 to 14AWG 75°C
Mounting position	Vertical

Auxiliary supply specifications

Operating range	40 to 300V AC / DC
burden	< 6 VA at 277 V L-N
Frequency	50 / 60 Hz nominal
Ride-through time	100 ms typical at 230V AC and maximum burden

Environmental specifications

Operating temperature	Meter -10°C to 55°C (14°F to 131°F)
Storage temperature	Meter -20°C TO 75°C (-4°F to 167°F)
Humidity	p to 85% RH (Non-Condensing)
Altitude	p to 2000 meters (6561 ft.)
Measurement category	CAT III
Pollution degree	2
Product life	5 years