



Certification :

Display	rows, LCD with Back light
Digits	4 Lowest 8 digits for energy display
LED Indications	Integration of Energy

Electrical Connection	1 - wire, 2 - 4 wire, 2 - wire, 1 - 2 wire
Input Voltage Range	11 to 500VAC L 19 to 519VAC LL
Input Current Range	nominal 5A Min 1mA, Max - 6A
Frequency	45 to 65
Display Scrolling	Automatic / Manual / Default
Power Consumption	8VA max
Display Reset	Programmable For energy & Max demand
Resolution	For energy : 0.01 , 0.1 , 1 , 0.01M, 0.1M, 1M depending Upon Ratio x P Ratio For Power Voltage, Current : Auto Resolution For Power Factor : 0.001, harmonics 0.1
Accuracy	Voltage -L / L L : 0.5 % F Current : 0.5 % F Power Factor : 0.01 Frequency : 0.1 Power Active, Reactive Apparent : 1 Energy Active, Reactive Apparent : Class 1
Memory Retention	10 years For energy
Measuring Parameters	Voltage -L / L - Individual Average , Current Individual Average , Frequency Power Factor Individual Total , Active, Reactive & Apparent Power Individual Total Active, Reactive & Apparent Energy Demand Min / Max Active Power Min / Max Reactive Power Max Apparent Power , Phase use Import Export & Total T D upto 1st Level for Voltage & Current Max Demand Current, Neutral Current, Phase Sequence Detection, Current Connection Error Detection

Pulse Output	Voltage Range : External 24V DC max Current Capacity : 100mA max
Communication, Interface and Protocol	RS485 and MODBUS RTU
Communication Address	1 to 255
Transmission Mode	half duplex
Transmission Distance	500 meter maximum
Transmission Speed	1200, 2400, 4800, 9600, 19200 in bps
Parity	one, Odd, Even
Stop Bits	1 or 2
Response Time	100ms max and independent of baud rate

Supply Voltage	85 to 240VAC, 50 / 60
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CT Primary	1 / 5A to 10 A Programmable for any value
CT Secondary	1 / 5A Programmable
PT Primary	100V to 500 V Programmable for any value
PT Secondary	100V to 500VAC LL Programmable for any value

Temperature	Operating Temperature : -10 to 55°C Storage Temperature : -20 to 70°C
humidity	non - condensing Upto 85 % R