

# Multifunction Meter (WMMC)



## Features:

- 3  $\emptyset$  (True rms) Voltage
- 3  $\emptyset$  (True rms) Current
- 3  $\emptyset$  Power Factor
- 3  $\emptyset$  Power (Active, Reactive, Apparent)
- Energy (Active, Reactive, Apparent)
- Frequency
- Programmable CT/PT Primary/Secondary
- Single Pulse Output

Size: 96mm x 96mm (1/4 DIN)

## Technical Specifications

### Display

Display	3 rows, 7 segment LED
Digit	4
Digit height	0.49 inch

### Input Specifications

Electrical Connection	3 $\emptyset$ -3 wire, 3 $\emptyset$ -4 wire, 2 $\emptyset$ -3 wire, 1 $\emptyset$ -2 wire
Input Voltage Range	11 to 300V AC, (Phase to Neutral) 19 to 519V AC, (Phase to Phase)
Input Current Range	Nominal 5A AC (Min-14mA, Max-6A)
Frequency	45Hz - 65Hz
Power Consumption	0.5VA
Display Reset	Programmable (for energy, Auxiliary interrupt, Run hour)
Resolution	For energy: 0.01k, 0.1k, 1k, 0.01M, 0.1M, 1M (depending upon CT ratio X PT ratio) For Power, Voltage, Current: Auto resolution For Power factor: 0.001
Accuracy	Voltage (L-N / L-L), Current: $\pm 0.5\%$ of F.S Power factor: $\pm 0.01$ Frequency: $\pm 0.2\text{Hz}$ Power : kW - Class 1, KVA - Class 2 Energy : kWh - Class 1, KVAh - Class 2
Memory Retention	10 years (for energy)
Measuring Parameters	Voltage (L-L / L-N) (Individual / Average) Current (I1, I2, I3) (Individual / Average) Max demand current(Individual), Frequency, Power Factor(Individual / Average) Active, Reactive & Apparent power((Individual (Total), Active, Reactive & Apparent Energy(Total) Phase Angle, Demand, Voltage sequence diagnostic, CT polarity error.

### Output Specifications

Pulse Output	Voltage Range: External 24V DC max. Current Capacity: 100mA max Pulse Width: 100 ms $\pm 5$ ms
Communication	RS485 MODBUS communication

### Supply Specifications

Auxiliary Supply	40 - 270V DC, 85V - 270V AC
VA Rating	<8VA Frequency :- 50/60Hz

### Resettable Parameters

CT Primary	1A/5A to 10,000A (Programmable for any value)
CT Secondary	1A/5A (programmable)
PT Primary	100V to 500kV (Programmable for any value)
PT Secondary	100V to 500V (Programmable for any value)

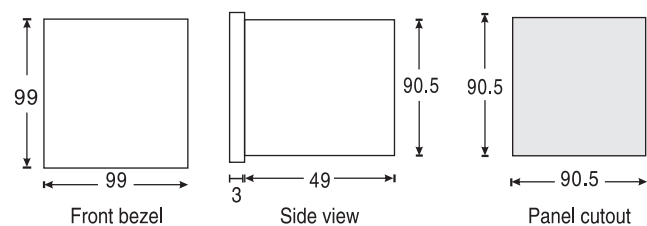
### Environmental Specifications

Temperature	Operating: -10°C to +55°C
Humidity (non-condensing)	Upto 85% RH

### Mechanical Specifications

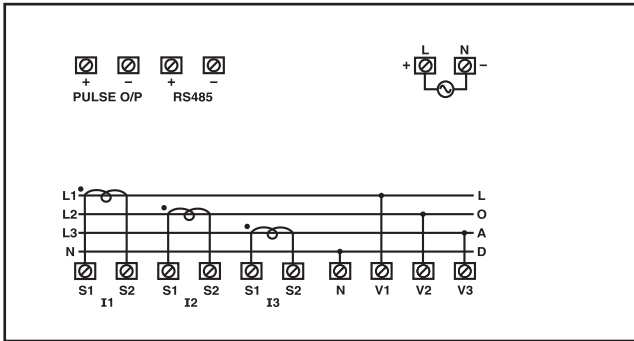
Mounting	Panel mount
Weight	260gms

### Dimensions





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## Terminal Connections



## Ordering Information

Product	Ref. No	Supply Voltage	Output	Certification
WMMC376-C	W604115	85V-270V AC, 50/60Hz	Pulse Output	 
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