



The EMT electricity meter is electronic three-phase meter, which measures active energy and is approved according to IEC 62052-11 and IEC 62053-21. The meter is ideal for domestic users with its simple structure, reliability and transparency.



Measuring

The meter operates in three-phase electricity networks and independently of current flow direction measure active energy with accuracy class 1 or 2 [IEC 62053-21]



Outputs

- Electric pulse output [S0]
- LED test output for active energy
- Four status indicators [LEDS] - ⊗, L1, L2, L3:

Indicator	Status	Meaning
• ⊗, L1, L2, L3	On	No network voltage
• ⊗	On	No load current
• ⊗	Blinking	Fault of the meter
• L1, L2, L3	On	Normal operation of the meter
• L1, L2, L3	Some blinking	Reverse current flow in appropriate phases
• L1, L2, L3	In series on-off	Reverse voltage phase sequence
• L1, L2, L3	Some off	No voltage or current in appropriate phases

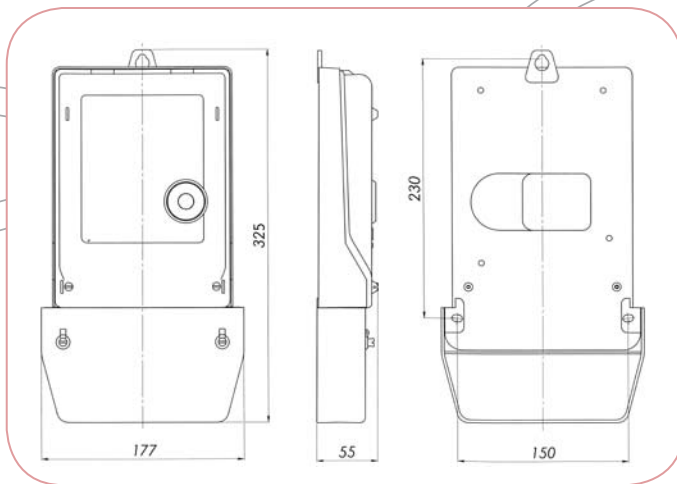


Display

The EMT meter is equipped with traditional electromechanical drum-register. The drum can be either 5+1 or 6+1 digits, which offers sharp readability compared to electronic displays. The register offers the additional advantage of allowing the meter to be read when power is absent with no need to use power backup.

EMT

for residential and commercial metering



Technical specifications

Ratings

● System	Three-phase 4-wire or 3-wire
● Accuracy class for active energy	Class 1 or 2
● Reference voltage, V:	
• 4 wire networks	3x57.7/100; 3x63.5/110; 3x69.2/120; 3x120/208; 3x127/220; 3x220/380; 3x230/400;
• 3 wire networks	3x100; 3x110; 3x220; 3x230; 3x120;
● Reference [maximum] current:	
• Direct connected	5[60]; 5[80]; 10[60]; 10[100];
• CT operated	1[1.2]; 5[6]; 5[10];
● Current threshold	0.4% I _b [0.2% I _n if CT operated]
● Reference Frequency, Hz	50 or 60
● Meter constant, imp/kWh	500 [direct], 5000 [transformer]
● Power consumption per phase:	
• In voltage circuit	< 0.5W < 2.0 VA
• In current circuit	< 0.3 VA
● Temperature ranges:	
• Meter operating	-40°C to +60°C
• Meter storage	-50°C to +70°C

Case & Dimensions

● Case	UV stabilized polycarbonate
● Insulation	Protective class II
● Dimensions, mm	325 x 177 x 55
● Weight, kg	< 1.5



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