Enersol Tri Vector meter

The Enersol Tri Vector Meter series are easy-to-operate, compact in size, cost effective meters that offer the basic to highest measurement capabilities required to monitor an electrical installation.

Characterized by their rugged construction, compact size, and low installation costs, these state-of-the-art multi-function meters are ideal for control panels, motor control centers and all high end electrical requirements.

The Enersol Tri Vector meters series is available in two different versions to better fit specific applications:

- TVM51 Series
- TVM44 Series

Applications

Power monitoring operations.
Load studies and circuit optimisation.
Equipment monitoring and control.
Preventative maintenance.
Import / Export energy calculation .
Demand Calculation.

- **Energy savings**

Measure efficiency, reveal opportunities and verify savings.

Sub-bill tenants for energy costs.

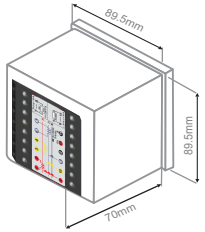
Allocate energy costs to departments or processes.

Reduce peak demand surcharges.

Reduce power factor penalties.

Leverage existing infrastructure capacity and avoid over-building.

- **Energy availability and reliability**



Enersol Tri Vector meter dimensions.

Selection guide		TVM51	TVM44
General			
Use on LV and HV systems		■	■
Accuracy of the meter		□	□
Number of samples per cycle		50 at 50 Hz	50 at 50 Hz
Instantaneous rms values			
Current,	Total, Per phase & Neutral	■	■
Voltage,	Average, Phase to Neutral & Phase to Phase	■	■
Frequency,		■	■
Active power (W)	Total & per phase	■	■
Reactive power (VAr)	Total & per phase	■	■
Apparent power (VA)	Total & per phase	■	■
Power factor,	Average & per phase	■	■
Unbalance,	Current, voltage	■	■
Phase angle,	Between V & I, Ph1, Ph2, Ph3	■	■
RTC		■	■
Load Survey Facility		—	—
Energy values			
Active (Wh)		■	■
Reactive (VARh)		■	■
Apparent energy (VAh)		■	■
Export / Import		■	—
Demand		■	■
Power quality measurements			
Total harmonic distortion %	Current, voltage, per phase	■	■
Display			
LED display		■	■
Communication			
RS-485 port		□	□
Modbus protocol		□	□
Optical Communication		■	■
Caliberation			
LED Pulse Output		■	■

■ By Default □ Optional Features — Not Available

Ordering Selection

	TVM51	TVM44
Class 1.0 without RS 485	TVM5110	TVM4410
Class 1.0 with RS 485	TVMR5110	TVMR4410
Class0.5 without RS 485	TVM5105	TVM4405
Class0.5 with RS 485	TVMR5105	TVMR4405