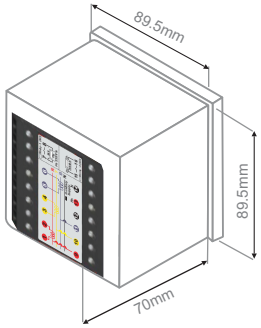
Enersol Whole Current Dual Source meter

Enersol Dual Source meter

Enersol Stepper Counter Energy Meter



Enersol Dual Source meter dimensions.

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

Characterized by their rugged construction, compact size, and low installation costs, these state-of-the-art energy meters are ideal for control panel, residential apartments, malls and housing society

The Enersol Energy Meter series are available in four different versions to better fit specific applications:

- EN3 Series
- WDSR11 Series
- MFDSR22 Series
- DSR10 Series

Applications

Single Source Metering.
Dual Source Metering
Separate Load Control Limits for EB & DG

- **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.

Main characteristics

Accurate metering
The meter conforms to accuracy class 1.0 / 0.5

Easy to read display
The bright, alphanumeric, 15mm high LED display provides 3 lines for measurement values with 4 digits per line. The display auto-scales for Kilo, Mega and Giga values. Auto scrolling mode allows for easy reading.

Quick and easy installation
Setup is done through the front panel keys.
Direct connection for metering voltage inputs up to 480 Vac L-L.

Colour - coded terminal board labeling
The colour - coded label on the terminal board helps ensure accurate wiring.

Secure settings
Safeguard access to setup parameters with unique password protection. A keypad lock lets you display a user selected page by default.

Selection guide		EN3	DSR10	MFDSR22	WDSR11
General					
Use on LV and HV systems		□	■	■	■
Accuracy of the meter		□	□	□	□
Number of samples per cycle		50 at 50 Hz	50 at 50 Hz	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	—	—	■	—
RPM,	For generator only, speed calculated on generator voltage output and number of machine poles.	—	—	—	—
Energy values					
Active (Wh)		■	■	■	■
Reactive (VARh)		—	—	—	—
Apparent energy (VAh)		—	—	■	—
Single Source Metering		■	■	■	■
Dual Source Metering		—	■	■	■
Mounting					
Wall Mounted		—	—	—	■
Panel Mounted		■	■	■	—
Relay					
Relay - 1		—	—	—	□
Relay - 2		—	—	—	□
Display					
LED display				●	●
Communication					
RS-485 port		—	■	■	■
Modbus protocol		—	■	■	■
Caliberation					
LED Pulse Output		■	■	■	■

● 3 Line LED Display ▲ Counter Display ■ By Default
□ Optional Features — Not Available

Ordering Selection

	EN3		DSR10	MFDRS22	WDSR11
Class 1.0	3P3W	EN3310	DSR1010	MFDSR2210	WDSR1110
	3P4W	EN3410			
Class 0.5	3P3W	EN3305	DSR1005	MFDSR2205	WDSR1105
	3P4W	EN3405			
Class1.0 without Relay O/P	-		MF2805	-	WDSRR1110
Class0.5 with Relay O/P	-		MFR2805	-	WDSRR1105