

# Single Source / Dual Source Energy Meters

Functions and characteristics

Selection guide	EN3	DSR10	MFDSR22	WDSR11
<b>General</b>				
Use on LV and HV systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accuracy of the meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of samples per cycle	50 at 50 Hz	50 at 50 Hz	50 at 50 Hz	50 at 50 Hz
<b>Instantaneous rms values</b>				
Current, Total, Per phase & Neutral	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage, Average, Phase to Neutral & Phase to Phase	—	—	<input checked="" type="checkbox"/>	—
Frequency,	—	—	<input checked="" type="checkbox"/>	—
Active power (W) Total & per phase	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reactive power (VAR) Total & per phase	—	—	—	—
Apparent power (VA) Total & per phase	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Power factor, Average & per phase	—	—	<input checked="" type="checkbox"/>	—
RPM, For generator only, speed calculated on generator voltage output and number of machine poles.	—	—	—	—
<b>Energy values</b>				
Active (Wh)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reactive (VARh)	—	—	—	—
Apparent energy (VAh)	—	—	<input checked="" type="checkbox"/>	—
Single Source Metering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dual Source Metering	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Mounting</b>				
Wall Mounted	—	—	—	<input checked="" type="checkbox"/>
Panel Mounted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	—
<b>Relay</b>				
Relay - 1	—	—	—	<input type="checkbox"/>
Relay - 2	—	—	—	<input type="checkbox"/>
<b>Display</b>				
LED display	—	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Communication</b>				
RS-485 port	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modbus protocol	—	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Calibration</b>				
LED Pulse Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- 3 Line LED Display
- Optional Features

- ▲ Counter Display
- Not Available

- By Default

## 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