



Enersol Smart Demand Controller

The Enersol Smart Demand Controllers 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 Smart Demand Controllers are ideal for use in Industrial & Commercial installations, not for domestic use

The Enersol Smart Demand Controller offers comprehensive power and energy monitoring at the feeders and individual loads.

The Enersol Smart Demand Controllers are available in two different versions to better fit specific applications:

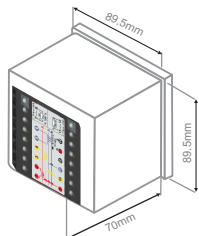
- >>
- >> SDC51 Series
- >>
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Applications

- Maximum demand control
- Power monitoring operations.
- Load studies and circuit optimisation.
- Equipment monitoring and control.
- Preventative maintenance.

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.



Enersol Smart Demand Controller dimensions.

Selection guide		SDC51
General		
Use on LV and HV systems		■
Accuracy of the meter		□
Number of samples per cycle		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		—
Other measurements		
Run hours	Operating time for load in hours	■
ON hours	Operating time for meter in hours	■
INTR	Number of interrupts	■
Energy values		
Active (Wh)		■
Reactive (VARh)		■
Apparent energy (VAh)		■
Demand		■
Relay		
Relay - 1		■
Relay - 2		■
Power quality measurements		
Total harmonic distortion %	Current, voltage, per phase	■
Display		
LED display		■
Communication		
RS-485 port		□
Modbus protocol		□
Optical Communication		■
Calibration		
LED Pulse Output		■

■ By Default □ Optional Features — Not Available

Ordering Selection

	SDC51
Class1.0	SDC5110
Class0.5	SDC5105

*TOD is stands for Time of Domain or Time of Use (TOU)