

Direct connected three-phase energy meter

Sprint 350 is an enhanced metering solution for three-phase direct-connected installations. It is suitable for domestic, industrial and commercial applications.

It has advanced revenue protection features, making it especially useful in areas where theft and fraud are prevalent.



Application

- ✎ Direct connected domestic, industrial and commercial billing
- ✎ Sub metering for residential, small industrial and commercial establishments
- ✎ Remote data collection for billing and consumption analysis

Benefits

- ✎ A wide range catering to various utilities requirement
- ✎ Power factor recording for reactive power management
- ✎ Revenue protection

Features

- ✎ Single vector/bi vector/tri vector measurement
- ✎ Time of day metering with maximum demand registration and automatic billing
- ✎ Phase indicators for healthiness of voltages
- ✎ Backlight LCD display with annunciators for various critical events
- ✎ Forwarded energy registration under current reversal condition
- ✎ Scroll lock feature for continuous display of desired parameter
- ✎ High resolution energy mode for dial test
- ✎ Interoperable DLMS protocol for meter reading with option for remote reading port
- ✎ Advanced tamper detection features for voltage, current and magnetic influences
- ✎ Two separate metrology LEDs for accuracy testing of different energy types
- ✎ Meter reading in the absence of mains supply using internal battery

Sprint 350

Technical specifications

Electrical

Connection type	Direct connected
Wiring configuration	3-phase 4-wire
Voltage range	230/240 V(P-N), 400/415 V (P-P)
Current range	5-30 A, 10-40 A, 10-60 A, 20-100 A
Accuracy	Class 1.0
Mains frequency	50 Hz \pm 5%
Burden	As per standards

Compliance

Standards	IS 13779, IEC 62052-11, IEC 62053-21, DLMS Indian Companion Standard
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Mechanical

Dimensions (W x H x D)	191 x 255 x 82 mm (approx.)
Weight	2 kg (approx.)
Enclosure	Engineering plastic
Sealing	Provision of sealing on mains cover and terminal cover

Environmental

Degree of protection	IP 51
Insulation class	Protective class II
Temperature	-10 °C to +55 °C (operating) -25 °C to +70 °C (storage)
Humidity	95% non-condensing

Features

Tariff rate registers	Up to 8 rate registers, for two energy channels
Maximum Demand	Up to 2 types, configurable in 8 registers
Load Survey	Up to 70 days load profile for 8 parameters (configurable), with 30-minute integration period.
Communication	Optical port for local communication, optional RS232 (RJ11 port) for remote communication

Contact your nearest sales office for more details