## Elite 200 Digital Panel Meter

Elite 200 is a digital panel meter specially designed for dual-source energy metering. It has two registers for recording, separately the energy consumption from the mains and auxiliary supplies (such as a diesel generator).

It also provides load control so that the supply can be disconnected if the load exceeds a pre-set limit. This is particularly useful for installations where the auxiliary supply has a lower capacity than the mains.

The Elite 210 variant provides Modbus communication over RS-485 for online monitoring applications.



## Applications

- Metering of dual-supply installations (mains and backup generator)
- Load control applications
- Online monitoring systems
- Commercial and industrial sub-metering applications

### **Benefits**

- Open-circuit protection for external CTs
- Easy interfacing with external devices through pulse I/O
- Minimal installation costs through easy fitting and detachable connectors
- Cost-effective online monitoring
- Helps consumers monitor their consumption

## Features

- Accuracy class 1.0 and 0.5s
- Separate energy registration for mains and backup supply (such as DG)
- Forwarded energy registration in case of current reversal
- Accurate readings even at very low current
- Compact DIN 96 panel meter
- One pulse input for switching of metering between mains and DG
- One pulse output for load control (load monitoring based on average load over the last 60 seconds)
- Power On/Off hours recorded for mains supply and backup supply
- Time of day tariff registration with maximum demand and billing history recording
- Optional RS-485 Modbus communications (floating point as per IEEE-754 or hexadecimal format)
- Self-diagnostic displays for checking connections
- Meter configuration through push buttons, including CT
  primary value
- Optical port for local and remote reading



# Elite 200

## Technical specifications

#### Electrical

Connection type Wiring configuration Voltage range Current range Overload Accuracy Mains frequency Burden

## Compliance

Standards

### Mechanical

Dimensions (W x H x D) Cutout size Depth behind bezel Weight Enclosure Terminals Max. conductor size

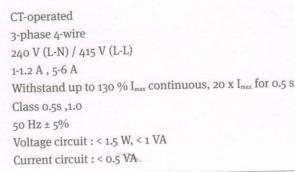
### Environmental

Ingress protection Dielectric strength Isolation Impulse withstand Temperature

## Humidity

### Features

Display Favourite page CT/VT primary Communications Baud rate (Modbus) Pulse output (for load control) *Voltage rating Current rating* Pulse input *Voltage rating Current rating* 



IS14697, IS13779 IEC 62052-11, IEC 62053-21, 22, 23

96 x 96 x 115 mm 92 x 92 mm (DIN 96) 84 mm 0.4 kg (approx.) Polycarbonate Combicon connector 2.5 mm<sup>2</sup>

## IP 50 (front panel)

4 kV RMS, 50Hz 6 kV -10 °C to +55 °C (operating) -25 °C to +70 °C (storage) 95% non-condensing

Custom backlit LCD Configurable via keypad Programmable via keypad PACT port, Modbus via RS-485 port 1200, 2400, 4800, 9600, 19200 bd (field-configurable through keypad)

240 V AC 100 mA DC max

Variants for 12-40 V DC or 60-240 V AC 100 mA DC max



## Secure Meters Limited P.O. Box No. 30, E-Class Pratap Nagar Industrial Area, Udaipur 313003, INDIA T: 91-294-2492300-04 | F: 91-294-2492310 | E:mktg@securetogether.com | www.securetogether.com