

# kWh Meter

## STS - Single Phase

### Keypad Prepaid Energy Meter



#### Overview

EDM supply Prepaid watt-hour meter STE18-B single phase which is completely accord with technical specification of Standard Transfer Specification (STS) encryption protocol which comply to International Standard IEC 62055-31, IEC 62055-41, IEC 62052-11, IEC 62053-21, IEC 62056-21.

STE18-B is used for a wide range of applications, due to an improved dynamic range allowing a basic current of 5 Ampere while retaining a maximum current of 60 Ampere and extended functional features. It is a compact and keypad based design in a BS8565 standard housing and maintains the rugged RF immunity with stand of 30V/m and IP 54 rating, it to be installed in harsh environments.

It can be top up by off-line vending software with 20 digital Token and communicate with AMI system via LORA-RF module.

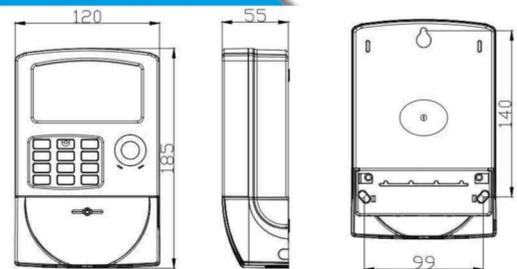
#### Features

- 20 digit (Standard Transfer Specification) STS encryption off the power supply.
- Detection of significant reverse energy (SRE)
- IEC62056-21 compliant port allowing for easy data interrogation
- Disconnects on overload and no credit
- Programmable load limit and low credit warning
- Detection and record tamper event such as opening cover, reverse connection, black-out
- Easy access to 12 months historical consumption data and last 5 token entered.
- LoRa - RF communication (optional)

#### Parameters

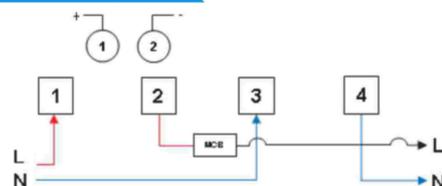
Nominal Voltage	220V
Working Voltage Range	70%~120%Un
Nominal Frequency	50-60Hz
Basic Current (Ib)	5A
Maximum Current	60A
Starting Current (Ist)	20mA
Active Energy Constant	1000imp/kWh
Measurement Accuracy	Class 1.0
Power Consumption in	<2W or <8VA
Power Consumption in	<1VA
Operation Temperature	-25°C -70°C
Storage Temperature	-40°C -85°C

#### Dimensions



180.2mm (H) x 120mm (W) x 55.7mm (D)

#### Wiring



#### System Operations

