

# Single Phase Integrated Prepaid Meter

The Hexing STS compliant integrated meter contains all the critical metering, token decryption, relay disconnection and reverse energy detection functionality. This meter is comprised of a British Standard wall mounting unit with integrated User Interface and Keypad. It is designed to wall mount alongside a distribution board. Very well proven single phase integrated meter used commonly in low tamper environments at a cost effective high quality price break.



## Features

- Prepayment functionality that enables secure revenue collection.
- Open, secure, and reliable STS prepayment standard that allows all existing vending channels to be used and provide a safe, reliable, and secure method for the end-user to enter credit tokens.
- Convenient integrated numeric keypad and user friendly interface LCD display, which counts down as electricity is consumed.
- It is a wall mounted unit, offering advanced tamper reduction with a clear PVC wiring cover to enable easy viewing of connection cables and inspections.
- Anti-tamper sensor which locks the meter.
- Multiple event records.
- Cancel registration and close-out feature allowing the meters balance to be refunded.

## Functionalities

### Easy and Secure Crediting

Credit transfer from the Point of Sale (POS) is facilitated by entering a 20-digit STS credit token into the keypad

### Low Credit Warning

The meter provides the consumer with both visual and audible low credit warnings. When credit is low the LCD displays an indicator. Once the credit level drops below a predefined level, the audible buzzer will sound.

### Communication

PPH23GT provides an 1EC62056-21 compliant optical communications port to enable local connection for interrogation access to stored information and upload

### Power Control Management

When the credit limit recorded reaches 0.0kWh, the built-in relay will be automatically disconnected. The relay will also disconnect in protection of the meter whenever a Power Limit overload condition occurs.

# Technical Specifications

Application	Direct Connection
Accuracy	Active: Class 1 (IEC) /Class b (MID)
Nominal Voltage	51 phase 2 wire: 220V, 230V, 240V
Accuracy Class	CL1.0
Base Current	5A
Maximum current (Imax)	10(40)A, 15(60)A, 20(80)A
Starting current	0.4%lb
Power Consumption	<2W/10VA per phase
User Interface	LCD display
Low Credit Warning	LED, buzzer
Rate Indicator	LED 1000 pulses/kWh
Communication optical port	IEC62056-21
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity operating range	95%RH
Degree of Protection	IP54
Weight	0.8Kg
Over Voltage	48 hours under 420V
Meter Case Material	UV stable/ reinforced polycarbonate
Meter Terminal Material	UV stable / radiation resistant polycarbonate



# Technical Specifications

Contactor	Internal latch relay, compliant with IEC62055-31
Data Transfer	20-digit STS compliant numeric token
Data Retention	> 15 Years
Clock	Real-time clock, + 0.5 second/day
Storage Dimensions temperature (L x W x H)	212 x 135 x 61.6(mm)
Storage Temperature	-40°C to +85°C

