

Three-Phase Split Configured Prepayment Meter

PPH23GT is an STS compliant keypad meter that 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 along side a distribution board.



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 IEC62056-21 compliant optical communications port to enable local connection for interrogation access to stored information and upload via a handheld unit.

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.

In addition to these automatic disconnect events, the relay will also disconnect when instructed to do so by inputting a 20-digit STS Clear Credit token.



Technical Specifications

Standards compliance	IEC62053-21, IEC62053-31	Humidity operating range	95% RH
Rated voltage	240V (0.8Un ---1.2Un)	Degree of protection	IP54
Rated frequency	50Hz	Weight	0.8kg
Accuracy Class	CL1.0	Over voltage	48 hours under 420V
Base current	5A	Meter case material	UV stable/ reinforced polycarbonate
Maximum current (Imax)	10(40)A, 15(60)A, 20(80)A	Meter terminal material	UV stable/ radiation resistant polycarbonate
Starting current	0.4%Ib	Contactor	Internal latch relay, compliant with IEC62055-31
Power consumption	<2W/10VA per phase	Data transfer	20-digit STS compliant numeric token
User interface	LCD display	Data retention	> 15 years
Low credit warning	LED, buzzer	Clock	Real-time clock, ± 0.5 second/day
Rate indicator	LED 1000 pulses/kWh	Dimensions (L x W x H)	212 x 135 x 61.6 (mm)
Communication optical port	IEC62056-21	Storage temperature	-40°C to +85°C
Operating temperature	-30°C to +70°C		
Storage temperature	-40°C to +85°C		

