

# Smart Three-phase Prepaid Meter STPM3



The STPM3 three-phase STS Keypad meter is a multifunctional tamper-proof electronic energy Prepaid meter with TOU and Tariff that comes in two versions. Integrated (shown left) or Split with User Interface Unit. The user interface unit comes with two wire, PLC or RF communications making this a versatile Smart Prepayment Meter. With large LCD display, backlight, infrared, and RS485 communication, tamper and event recording capability this is a versatile prepayment solution. Its features include active energy, (reactive optional), demand measurement and instantaneous measurement of voltage, current, frequency and power. Tokens are accepted via a 20 digit code.

## Function and Features

Remaining credit + pre-warning, Active energy (Optional Reactive), Reverse energy metering and Load control. Independent sealing of the meter body and terminal cover, Missing voltage, bypass, reverse current, power off and event recording.

## Technical:

Type:	Three Phase, Four wire, Active energy, (Optional Reactive) Keypad Prepayment Meter. Integrated or split version with UIU
Accuracy:	Class 1 for active energy
Reference Voltage:	3*230V/400V (operating 0.7 - 1.2 Un, max 0 – 1.9 Un)
Reference Frequency:	50Hz
Current IB (Imax):	3*10(100A). max 120A
Starting Current :	0.004Ib
Meter Constant:	400 imp/kWh can be customized
Internal Tariff Source:	4 tariffs,
Output:	LED pulse output
Display:	LCD 6+2Digit (6 integer+2 Decimal)
Communication Interface:	Infrared, RS485/RS232, Optional Port, PLC, RF, GPRS
Power Consumption:	
Voltage Circuit:	<5VA (2W) (active/apparent power at Un)
Current Circuit:	<2.5VA (apparent power at IB)
Insulation Strength:	5kV at 50Hz during 1 min, Impulse voltage 1.2/50 us 6kV

## Environment:

Battery Life Time:	>=10 years
Internal Real Time Clock Accuracy:	<= 0.5 sec/day @ 23°C
Operating Temperature:	-25°C to 55°C
Storage Temperature:	-40°C to 70°C
Relative Humidity:	<=85%