

## Overview

GK1P2W-5A100(EBT) Single Phase Meter is a multi-functions single phase meter with low power Bluetooth module design. The meter is used to measure electrical energy accurately for commercial, residential and industrial customers. It is capable to energy measuring and recording electrical energy for billing, and recording other electrical quantities completed with their functions and accessories with extensive anti-tamper features. The meter is perfectly suited for residential application where requires economical and instant implementation. The meter manufactured and tested in accordance with TIS and IEC standards for electricity metering equipment.

## Key Features

- IP54 for outdoor installation
- UV-resistance, high impact-resistance
- High-capacity storage for load profile, event recording, etc.
- Permanent sealing by ultrasonic welding.
- Symmetrical connection
- High precision RTC clock and calendar
- Energy measuring: Import/Export/Absolute/Net
- 3 display groups, programmable
- Powerful anti-tampering function
- Demand Reset: Optical / Bluetooth
- Missing neutral operation
- Firmware upgrade
- IEC/DLMS/TIS certification
- Bluetooth low energy
- Phase and neutral Line interchange detection
- Neutral current measurement



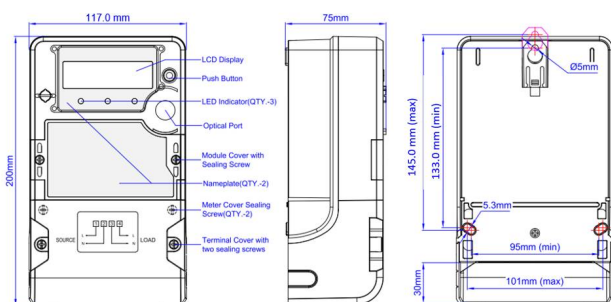
## G.K. Assembly CO., LTD.

49 Moo 4, Bangbuatong - Suphanburi Rd. Na Mai , Lat Lum Kaeo District, PhatumTani 12140 , Thailand.

Tel : (662) 985-2250-3 Fax : (662) 985-2254 <https://www.gunkul.com>

# Technical Parameters

Model	GK1P2W-5A100(EBT)
Type	1 Phase 2Wire
Connection Model	Direct connect
Installation type	Indoor / Outdoor
Rated Impulse voltage withstand	6kV
Rated Voltage	230VAC $\pm$ 10%
Working Voltage Range	0.8 ~ 1.15 Un
Rated Frequency	50Hz
Rated Current, Ib(I <sub>max</sub> )	5(100) A
Maximum humidity	Up to 95%
Starting Current	0.004Ib
Protection Class	II
Accuracy Class	Class 1 (Active)
Meter Constant	1000imp/kWh
Voltage Circuit Power Consumption	$\leq$ 2 W, 10 VA
Current Circuit Power Consumption	$\leq$ 4 VA
Operating Temperature Range	-25 °C ~ 70 °C
Storage Temperature Range	-25 °C ~ 70 °C
Degree of Protection	IP54
Display	LCD
Communication / Protocol	DLMS/COSEM
Communication Interfaces	Optical, Bluetooth
Battery	3.6V
Material of case	Polycarbonate
Max. Conductor diameter	9.1 mm
Max. Overall insulation diameter	12.1 mm
Min. Terminal diameter	9.3 mm
Execution Standard	IEC62052-11, IEC62053-21, IEC62053-23 TIS1030-2552, TIS2543-2555
Certificate	ISO9001 : 2015 , ISO14001:2015, MIT
Meter Size	L×W×H=200mm×117mm×75mm
Gross Weight	Approximately 680g.



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## Overview

GK3P4W-5A100(EBT) Three Phase Meter is a multi-functions three phase meter with low power Bluetooth module design. The meter is used to measure electrical energy accurately for commercial, residential and industrial customers. It is capable to energy measuring and recording electrical energy for billing, and recording other electrical quantities completed with their functions and accessories with extensive anti-tamper features. The meter is perfectly suited for residential application where requires economical and instant implementation. The meter manufactured and tested in accordance with TIS and IEC standards for electricity metering equipment.

## Key Features

- IP54 for outdoor installation
- UV-resistance, high impact-resistance
- High-capacity storage for load profile, event recording, etc.
- Permanent sealing by ultrasonic welding.
- Symmetrical connection
- High precision RTC clock and calendar
- Energy measuring: Import/Export/Absolute/Net
- 3 display groups, programmable
- Powerful anti-tampering function
- Demand Reset: Optical / Bluetooth
- Incoming and outgoing interchange detection
- Firmware upgrade
- IEC/DLMS/TIS certification
- Bluetooth low energy
- Terminal cover is opened detection
- Neutral current measurement



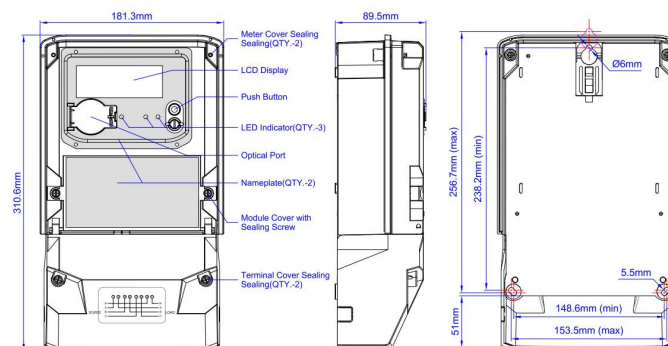
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# Technical Parameters

Model	GK3P4W-5A100(EBT)
Type	3 Phase 4Wire
Connection Model	Direct connect
Installation type	Indoor / Outdoor
Rated Impulse voltage withstand	6kV
Rated Voltage	230VAC $\pm$ 10%
Working Voltage Range	0.8 ~ 1.15 Un
Rated Frequency	50Hz
Rated Current, Ib(I <sub>max</sub> )	5(100) A
Maximum humidity	Up to 95%
Starting Current	0.004Ib
Protection Class	II
Accuracy Class	Class 1 (Active) , Class 2 (Reactive)
Meter Constant	1000imp/kWh
Voltage Circuit Power Consumption	$\leq$ 2 W, 10 VA
Current Circuit Power Consumption	$\leq$ 4 VA
Operating Temperature Range	-25 °C ~ 70 °C
Storage Temperature Range	-25 °C ~ 70 °C
Degree of Protection	IP54
Display	LCD
Communication / Protocol	DLMS/COSEM
Communication Interfaces	Optical, Bluetooth
Battery	Lithium Battery 6V
Material of case	Polycarbonate
Max. Conductor diameter	9.1 mm.
Max. Overall insulation diameter	12.1 mm.
Min. Terminal diameter	9.3 mm.
Execution Standard	IEC62052-11, IEC62053-21, IEC62053-23 TIS1030-2552,TIS2543-2555
Certificate	ISO9001 : 2015 , ISO14001:2015,MIT
Meter Size	L×W×H=310.6mm×181.3mm×89.5mm
Gross Weight	Approximately 1500g.



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