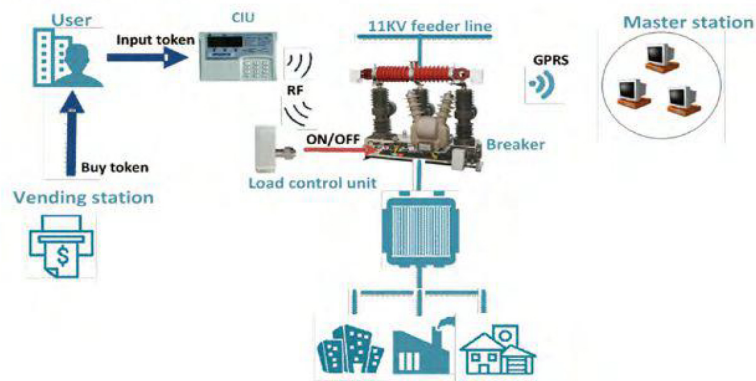
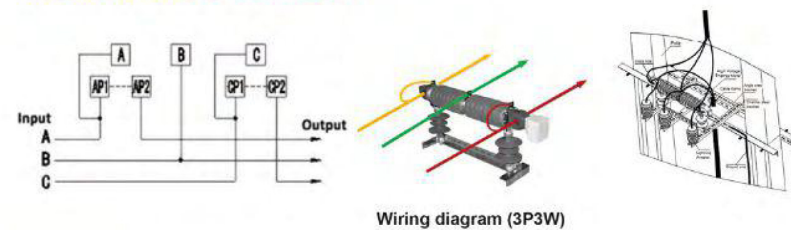


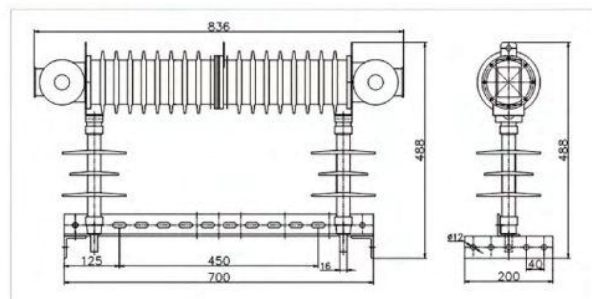
## ➤ Local STS prepayment



## WIRING DIAGRAM



## DIMENSIONS



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## MID-VOLTAGE METERING SOLUTION

Yantai Dongfang Electronics Co., Ltd



3 phase 3 wire meter

3 phase 4 wire meter

1 phase 2 wire meter



Customer Interface Unit

## OVERVIEW

WISDOM mid-voltage energy meter is the state-of-the-art high-voltage energy measurement device produced by WISDOM Electric. It consists of metering circuits, power supply unit, VT, CT, communication modules, etc. It is directly installed at 11KV power grid for energy measurement and data transmission so as to avoid the tamper occurrence in the low voltage side. The plug-and-play communication modules enable both remote data transmission to data center and local data inquiry and load control purposes. The portable volume makes it easy to be installed and maintained which dramatically reduces the costs.

## KEY FEATURES

- Directly installed in mid voltage line without additional CT & PT
- Smallest and lightest mid voltage meter around the world: 15KG
- High integration
- High accuracy : 0.2s
- High anti-tamper performances
- Long term run under up to 12KV, 600(720)A
- More intelligent: pluggable GPRS/3G/4G, RF modules
- High IP level: IP67
- Low power consumption: less than 10W

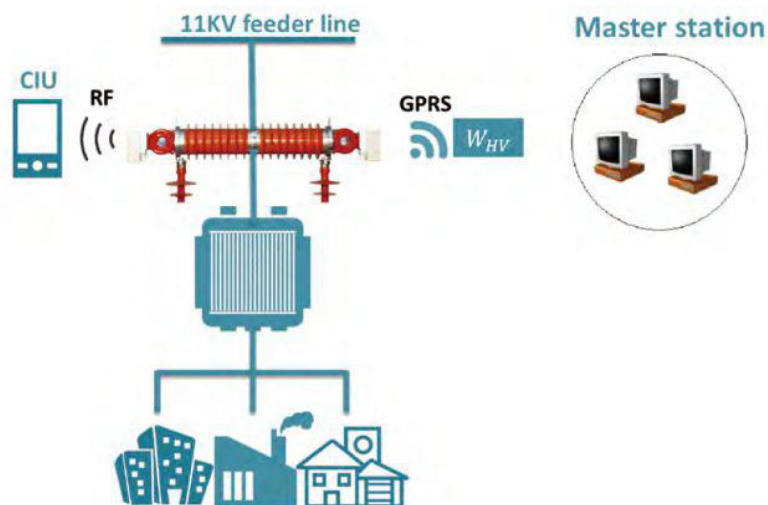


## TECHNICAL DATA

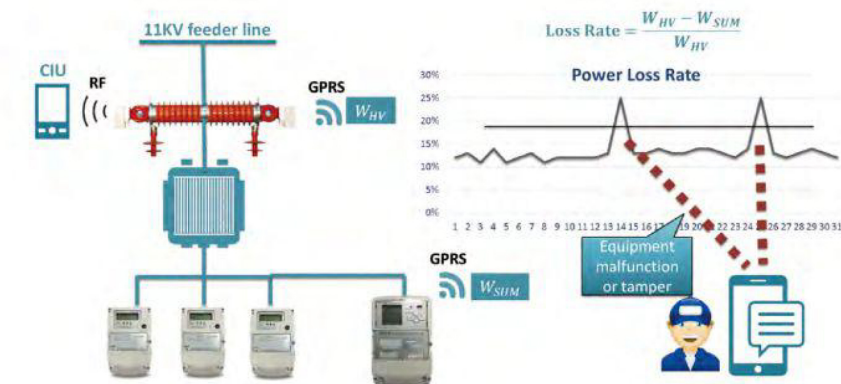
Description	Value
Reference Frequency	50/60Hz
Wiring	1P2W, 3P3W, 3P4W
Reference Voltage	3×6kV, 3×6.4/11kV, 3×5.7/11kV, 3×10kV, 3×11kV
Rated Current	3×20(24)A, 3×50(200)A, 3×150(600)A, 3×600(720)A
Accuracy	Active:0.2s, 0.5s Reactive:2.0
Voltage Range	0.8Un~1.2Un
Starting Current	0.001In
Power Consumption	<10W
Clock Error	±0.5s/d (23℃)
Atmospheric pressure	63.0kPa~106.0kPa
Humidity	≤95%
Operation Temperature	-40℃ ~+70℃
IP Level	IP67
Measurement	Import/ export active/reactive power, demand, instantaneous data such as voltage, current, power factors, etc., events log
Communication Module	GPRS/3G/4G for data center connection, RF for local CIU connection and breaker control
Dimension	200mm x 836mm x488mm
Weight	15kg

## APPLICATION SCENARIOS

- Mid voltage metering and tamper proof



- Power loss monitoring and abnormality identification



- Remote prepayment

