

## 特點

- Measurement of current, voltage, active, reactive and apparent power, power factor, line frequency, energy, harmonic and MD.
- High-brightness LED display.
- Extreme accuracy up to 0.25%.
- Programmable adjustment for current and voltage transformers ratio.
- With RS485 or RS232 output.
- Natural current can be indicated.
- Dual relay contacts for energy or alarm output.
- Dual current loop output (option)
- Setting protected by password.
- Memory of all setting value and energy data over ten years.
- Memory of the Max. and Min. value (V. A. W).
- Outside dimension compatible for DIN standard 144 x 144mm.



## 1. 選購型號 : MK-S6-300-□□□□□

NO	Input current	NO	Aux. Power supply	NO	RS485 output	NO	Analog output	NO	Harmonic
1	1A	1	AC 110V/220V	Y	Yes	Y	Yes	Y	Yes
5	5A	A	DC 110V	N	No	N	No	N	No
O	Option	C	DC 24V						
		O	Option						

## 2. 主要規格

Local display	Total	Phase 1	Phase 2	Phase 3	Accuracy**
L-L Voltage	●*	●	●	●	0.2%
N-L Voltage	●	●	●	●	0.2%
Line current	●*	●	●	●	0.2%
Neutral current	●				1%
Active power	●	●	●	●	0.5%
Reactive power	●	●	●	●	0.5%
Apparent power	●	●	●	●	0.5%
Power factor	●*	●	●	●	0.5%
Frequency	●*				0.05%
Active energy +	●	●	●	●	0.5%
Reactive energy +	●	●	●	●	0.5%
Active energy -	●	●	●	●	0.5%
Reactive energy -	●	●	●	●	0.5%
Total harmonic- I <sup>(1)</sup>	●*	●	●	●	2%
Total harmonic- V <sup>(1)</sup>	●*	●	●	●	2%

(1) up to 31th harmonic      \*Average value      \*\*Full scale of range

### Accuracy performance range

Current range.....2 ~ 120%  
 Voltage range.....2 ~ 120%  
 Power & energy.....current, 2 ~ 120%, voltage, 2~120%  
 Power factor range.....cos (sin )0.5 ~ 1  
 Frequency range.....45 ~ 70Hz  
 Distortion level.....from 10% to 120%

### Input voltage

Voltage range (line to line).....8 ~ 500V  
 Voltage range (line to neutral).....5 ~ 290V  
 Maximum overload.....750V  
 Input impedance.....200K

### Input current

Current range.....5A or 1A  
 Maximum overload.....6A, continuous, 50A 5 sec.  
 15A, continuous, 250A 1 sec. (Option)  
 Input burden.....0.1VA  
 Isolation.....Each phase, 600V  
 Starting current.....1% F.S.

### Power supply

Nominal voltage.....AC 110V/220V± 15%, 50/60Hz  
 or DC 110V, 24V± 10%  
 Burden.....(AC) 5VA, (DC) 5W

### Display

Type.....High-brightness red LED  
 Digital height.....0.56", 14.2mm  
 Digital format.....3 rows of 4 digits  
 Digital for Wh, Varh, VAh.....8 digits (two rows)

### Relay contacts output for energy or alarm

Energy value.....100 pulse for 1KWh or 1KVarh  
 Alarm set point.....2 point, programmable  
 Relay contacts.....AC 240V 1A, DC 24V 1A

### Demand

Actual demand with time into period.....A, VA, W, Var  
 Time of period.....1 ~ 60 min. programmable  
 Real time clock (option).....HH/MM/SS  
 Max. Demand.....A, VA, W, Var

### Analog output

Current loop.....11 ~ 32V, DC4 ~ 20mA  
 Output resistance.....600 (24V DC)  
 Output points.....2 points, programmable  
 Output accuracy.....± 0.5% RO.

### Communication

Interface.....RS485 (standard), or RS232 (option)  
 Protocol.....MODBUS, RTU framing  
 Baud rate.....1200 ~ 38400 programmable  
 Address range.....1 ~ 255 programmable  
 Data format.....N.8.1/N.8.2/O.8.1/E.8.1 pro.  
 Number of meter.....up to 32 on standard RS485

### General

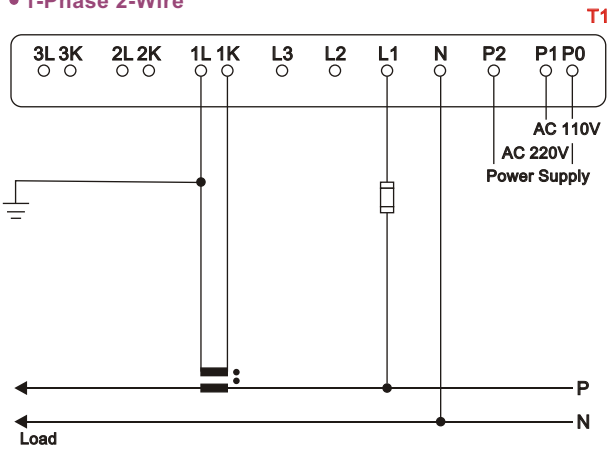
Dielectric strength.....IEC 688, AC 2.3KV 1 minute  
 between Input/Output/Power  
 AC 2.8KV 1 minute between all terminal/ground  
 Operating temperature.....0 ~ 60  
 Storage temperature.....-10 ~ 70  
 Temperature coefficient.....100 ppm/  
 Max. humidity.....95%

### Electromagnetic compatibility

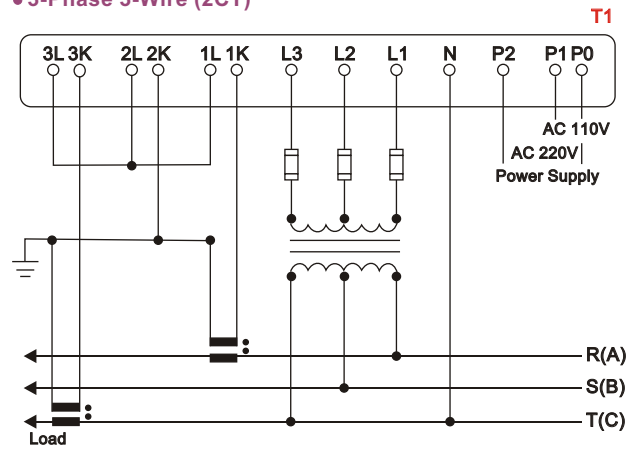
Withstanding impulse voltage.....IEC 1000-4-5  
 Electrical transient in burst .....IEC 1000-4-4  
 Electrostatic discharge.....IEC 1000-4-2  
 Electromagnetic fields immunity.....IEC 1000-4-3  
 Wave damping.....IEC 255-4

### 3. 接線圖

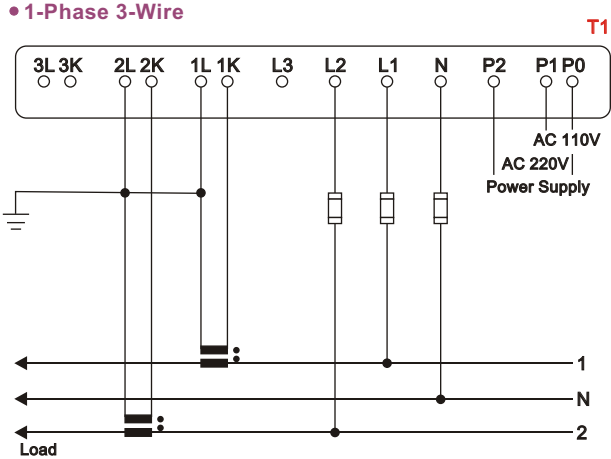
● 1-Phase 2-Wire



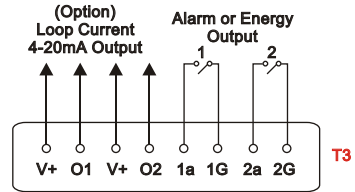
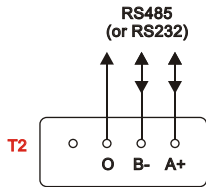
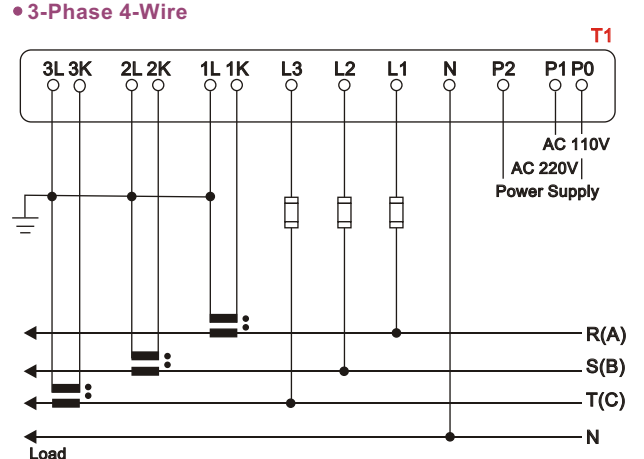
● 3-Phase 3-Wire (2CT)



● 1-Phase 3-Wire



● 3-Phase 4-Wire



### 4. 外型尺寸(Unit:mm)

