

GF311

THREE CHANNEL MULTI-FUNCTION WATT & PHASOR METER

GF311 phasor meter is one ideal tool of checking phasor on site, check power system three phase voltage phase sequence(U1 U2 U3), display phase shift diagram, it can measure voltage,current, power, frequency, harmonics etc. Suite for 3 phase 4 wire, 3 phase 3 wire, 1 phase 2 wire and 1 phase 3 wire. This model phase angle meter is the best power engineering commission device for substation. It can be applied to electric power dispatching center, relay protection department or relay protection in power plant. Its electric accuracy class makes it suitable for petroleum, railways and the iron and steel industries also.

Features

1. Wide measuring range;
2. Storage 500groups data;
3. Display vector map directly;
4. High accuracy, good stability;
5. Range switches automatically;
6. With PC management software;
7. Software calibration technology;
8. DSP digital signal processing chip;
9. Horizontal liquid crystal big screen 6 inch color TFT;
10. All electrical parameters are displayed on one screen;
11. Small volume, light weight and the operation is simple, convenient;
12. This phasor can measure is 1 mA, 2 mA above can display vector diagram;



Functions

1. Measuring phasor of U & I;
2. Measuring phasor of I1 & I2 & I3;
3. Check U1 U2 U3 phase sequence;
4. Measuring 2-64 times harmonics;
5. Measuring phasor of U1 & U2 & U3;
6. Check the wiring of the kWh meter correct;
7. Simultaneously measuring three channel current;
8. Simultaneously measuring three channel voltages;
9. Measuring frequency, power factor, phase shift etc;
10. Measuring active power, reactive power, apparent power;

Parameters

Electrical parameters	
Accuracy class	0.2% or 0.5%
Power supply	AC 85-265V 50/60Hz or Li-battery 5000mAh
Communication Port	RS232
Warming-up time	< 5min
Power consumption	≤5VA
Voltage measurement	
U1, U2, U3 Range	0-500V; three channel
Resolution	0.001V
Accuracy	0.2%
Harmonic	2-64 times
Current measurement	
I1, I2, I3 Range	1mA-10A, 10mA-100A, 20mA-200A, 50mA-500A; three chan
Resolution	0.5mA
Accuracy	0.5%
Harmonic	2-64 times
Active power measurement(P)	
Active accuracy	0.2% or 0.5%
Reactive power measurement(Q)	
Accuracy	0.5% or 1%
Apparent power measurement(S)	
Accuracy	0.2% or 0.5%
Phase measurement	
Range	0°-359.9°
Resolution	0.01°
Accuracy	0.1°
Frequency measurement	
Range	45-65Hz
Resolution	0.001Hz
Accuracy	0.005Hz
Power factor measurement	
Range	-1 to 0 to +1
Resolution	0.0001
Accuracy	0.005
Vector	Yes
LCD	6 inch color TFT LCD

Mechanical parameters

Dimensions (WxDxH) (mm)	245×162×60
Weight (kg)	1 (mains) 6.5 (appendix and box)

Environmental conditions

Working temperature	-10°C to 55°C
Working humidity	5%-85%RHD
Storage temperature	-40°C to 70°C
Storage humidity	≤95%RHD

Accessories

