

# POWER FACTOR CONTROLLER/MONITOR

Model : PPF-6066

ISO-9001, CE, IEC1010

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*The Art of Measurement*

# POWER FACTOR CONTROLLER/MONITOR

## Model : PPF-6066

### FEATURES

* Professional power factor meter with standard DIN case ( 96 x 48 mm ) and Control/Alarm function.
* Microprocessor circuit ensures high accuracy and provide special functions and features.
* Large red LED display, high brightness and easy to read.
* Measurement range ( no cooperate the external CT and the PT ) : Power factor : 0.10 to 1.00 PF.
* Input signal ( without PT, CT ) : ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz.
* Current input can cooperate the external CT ( current transformer ) such as CT 1000/5A, CT 100/5A ...to expend the measurement range. The CT range can be adjusted with default.
* Voltage input can cooperate the external PT ( voltage transformer ) to expend the measurement range. The PT range can be adjusted with default.
* Control setting, Hi/Lo alarm setting.
* Control relay output, alarm relay output.
* Control Relay will make action when the reading value reach to control value.
* Alarm Relay will make action when the reading value reach to high/low alarm value.
* Hysteresis value setting for control and alarm function.
* Power : 90 ACV to 264 ACV, 50/60 Hz.
* RS232/USB computer interface.
* Option data acquisition software.

### GENERAL SPECIFICATIONS

Display	Large LED display. 4 digit LED . 14 mm ( 0.55 inch ) digit height . 5 indicators . PV ( process value ) indicator SV ( set value ) indicator Control out indicator Alarm out indicator PF indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
Power factor measurement	0.10 to 1.00 PF.	
Input signal	ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz. * w/o PT. CT.	
Sampling Time	Approx. 0.8 second.	
Relay Output	Number	2 relays
	Function	Relay 1 : Control relay. Relay 2 : High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV <b>* Do not apply the relay contact load current &gt; 0.5 A, other wise the relay may be damaged permanently without warranty.</b>
		

Setting Function	1st layer setting procedures	CtLo ( Control low limit ) CtHi ( Control high limit ) ALLo ( Alarm low limit ) ALHi ( Alarm high limit )
	Second layer setting procedures	CtSt ( CT rate setting ) PtSt ( PT rate setting ) CtHy ( Control hysteresis value setting ) ALHy ( Alarm hysteresis value setting )
Over input	" - - - - " mark indication.	
Zero Adjustment	Automatic adjustment.	
Data Output	RS232 / USB PC Computer interface. * Connect the optional RS232 cable, UPCB - 02 will get the RS232 plug. * Connect the optional USB cable, USB - 01 will get the USB plug.	
Operating Temperature	0 to 50 °C .	
Operating Humidity	Less than 80% R.H.	
Power Supply	90 to 260 ACV, 50/60 Hz.	
Power Consumption	Approx. 3.3 VA/AC 110V. Approx. 4.9 VA/AC 220V. * Under no load	
Weight	261 g/ 0.57 LB.	
Dimension	DIN size : 96 x 48 mm. Panel cut size : 92 x 46 mm. Depth : 110 mm.	
Accessories Included	Instruction manual..... 1 PC Case holder with screw.....2 PCs	
Optional Accessories	USB cable , USB - 01 RS232 cable , UPCB - 02 Data Acquisition software SW-U801-WIN * Real time SD card datalogger DL-9602SD	
	* GSM controller, GSM-889. * Interface cable ( cable between meter to GSM-889 ), GMCB-89.	

### ELECTRICAL SPECIFICATIONS

Range	0.10 to 1.00
Resolution	0.01
Accuracy	± ( 1.5 % + 2d ) reading

#### Remark :

- \* Measuring Signal come from the rear terminals .
- \* T11, T15 ACV input : 10 ACV to 600 ACV .  
PT ( Potential transformer ) adjust value : x 1 to x 100.
- \* T16, T15 ACA input : 0.05 ACA to 10 ACA.  
CT ( current transformer ) adjust value : x 1 to x 200.
- \* PF accuracy is test under input signal is sine wave, 50/60 Hz.
- \* ACV frequency response is from 40 to 400 Hz
- \* Accuracy value is specified within 23 °C ± 5 °C
- \* The above spec. accuracy are tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.

\* Appearance and specifications listed in this brochure are subject to change without notice.

1109-PPF6066