



Three-Phase Calibration Terminal Data Sheet

Tespro China's Three-Phase Calibration Terminal TA-272-3P is for three phase electronic energy meter error calibration. TA-272-3P can measure energy meter errors, display of voltage, current, power, power factor, frequency etc. What is more, TA-272-3P can measure the following parameters:

- * Harmonics of 2nd to 51st
- * Show the voltage, and current waveform of three phase A.B.C
- * Measurement of transformation ratio for CT
- * Communication examination for energy meters
- * Register measurement
- * Detection of wiring failures and calculation of electricity compensation
- * USB and communication ports available

TA-272-3P has a wide application in the fields of State Grid, Power Grid, local power, and utility companies.

Technical Specifications

Item		Features
Voltage	Error range	25V – 600V
	Starting measured value	0.5V
	Rating value	440V
	Error grade	±0.05%
Current	Terminal rated Ie	5A
	Terminal Range	0.025A – 12A
	Clamp rated Ie	5A\100A\500A\1000A
	Clamp Range	0.5% Ie – 2.4 Ie
	Starting current	0.02% Ie
Input frequency range		45-65Hz
frequency measuring error		±0.01Hz
phase measuring range		-180°- 180°
max phase error		±0.1°
(Harmonic wave percentage)(harmonic wave electrical data)(harmonic wave electric energy measuring times)		2-51次
Pulse constant (Note: Ie—rated current	low frequency output -5A	3600P、36000P、360000P/kWh(kvarh,kVAh)
	low frequency output - Other	3600P、36000P、360000P *(5/Ie)P/kWh (kvarh, kVAh)
	Internal high frequency -5A	1.8x10 ⁹ P/kWh
	Internal high frequency-Other	1.8x10 ⁹ *(5/Ie)P/kWh

Item		Features
the highest pulse input frequency		50kHz
5A terminal	full wave/fundamental wave kWh、P、U、I	±0.05%
	full wave/fundamental wave Kvarh、Q、VA、Vah	±0.2%
	harmonic wave U.I.P.Q.S	±0.2%H (H=1+0.01k K=2-51)
5A clamp meter	full wave/fundamental wave kWh、P、U、I	±0.2%
	full wave/fundamental wave Kvarh、Q、VA、Vah	±0.2%
	harmonic wave	±0.5% H (H=1+0.01k K=2-51)
	Self- checking current circulating output current	0.05A,0.1A,0.25A,0.5A,1A,2.5A,5A
	self-checking error Linear and angular difference	±0.1%
(large current clamp)	full wave/fundamental wave kWh、P、U、I	±0.5%
	full wave /fundamental wave Kvarh、Q、VA、Vah	±0.5%
	harmonic wave U.I.P.Q	±1.0% H (H=1+0.01k K=2-51)
Other	Ratio measurement	±0.5%



Tespro Electronics Co., Ltd.(Tespro China)
 Address: 2/F, 3D-Tech Building, No.184 Bailian Rd., Zhuhai, GD 519015, China.
 Email: info@tespro-china.com / sales@tespro-china.com
 Web : www.tespro-china.com
 Tel/Wechat/whatsapp : +86 138 2563 2387 / +86 139 2801 9921