HEY-H CT/PT Calibrator

I. Introduction

HEY-H CT/PT calibrator is our new generation of CT/PT on-site calibration device in order to better adapt to the environmental characteristics of transformer on-site verification. It has been further improved in accuracy and intelligence.

II.Features

1. Application of 320×240 LCD, broad vision, long life backlight, make it convenient to operate.
2. All English interfaces, simple and nice.
3. Extra—large display of percentage, ratio error and phase error, easy to observe.
4. Automatic sampling, fully meet the requirements of JJG314—1993 and JJG314—1994.
5.Automatic identification of polarity fault and ratio error mistake.
6.Software can be upgraded with time.
7. Completely solve the testing problems that Class S encounters.
8. Automatic switch of measuring range.
9.Perfect combination of advanced circuit technique and DSP; ultimately avoid the instability of the RC phase –shift circuit.
10. Power consumption: <15VA (without micro-printer)
<25VA (with micro-printer)
11. Harmonic suppression ratio: >40db
12. Dimensions: 260mm (L) ×350mm (W) ×150(H) mm
13. Weight: 6kg

III. **Parameters**

Working Condition	Temperature：5℃～40℃	Relative humidity：<80%(25℃时)
	Altitude：<2500m	
	Power Frequency：50Hz±0.5Hz	Power Voltage：220V±5V
Measuring range	In-phase component (%)：0.0001～200.0	Resolution：0.0001
	Orthogonal Component (min): 0.001～700.0	Resolution：0.001
	Impedance (Ω)：0.0001～20.0	Resolution：0.0001
	Admittance (ms)：0.0001～20.0	Resolution：0.0001
Basic Error	In-phase Component	ΔX=±(X×2%+Y×2%)±Dx (with Class 1 to spare)
	Orthogonal Component	ΔY=±（X×2%＋Y×2%×34.48）±Dy (with Class 1 to spare)
		“X”, “Y”——Values displayed
		“Dx, Dy”——Quantization error
		Dx=2，Dy=5
	Percentage	Class 2 (with Class 1 to spare)
Working Range	Current	(1%～149%)In (In =5A)
		(5%～149%)In (In =1A)
	Voltage	(5%～149%)Un (Un =100V，150V，100V/)
		(5%～149%)Un (Un =100V/3)
Working Load	Current	TO对TX＜0.12Ω cosΦ=1
	Voltage	a对x＜0.25VA (100V)
Reversed Polarity Indication	Take action according to the polar instructions when the current is larger than 5% of the rated value and the error is larger than 180%.	
	Note: If no indication comes up when the current is larger than 10% of the rated value, malfunction exists. In that case please be sure not to increase the current so as not to burn the machine.	
Indication of False Transformation Ratio	There should be an indication of false transformation ratio when the current is larger than 5% of the rated value and the error is between 30% and 180%.	
Insulation and High Voltage Test	Terminal TX is connected with terminal ( ).	
	The power socket can bear a voltage of 1.5kV with respect to the outer shell for 1 min.	