GW-1129MTD Micro transformer detection device

1 、Introduction

The instrument is designed to calibrate current transformers for instruments below 0.02 level, with a secondary current of 1-100mA. It has a built-in phase compensator and uses the balance principle to adjust the error of the measured transformer to be equal to that of the standard transformer through the output current, and the balance value is read on the instrument to achieve measurement. In terms of design and production, the anti-interference ability and ease of operation have been repeatedly demonstrated, and the technical indicators and stability performance are far superior to similar domestic products.

2 、 Picture

3、Technical performance characteristics:

1. Universal for 50Hz and 60Hz;

2. Zero sensitivity is better than 10ρA, can distinguish 10-6 of 10 μA error, and the data is stable and reliable;

3. Zero sensitivity is dozens of times higher than the original HESE model equipment;

4. The load brought to the measured transformer is less than 0.01 ohm; (HESE introduces a load of 0.1 - 20 ohm)

5. Dynamic synchronous data acquisition technology: can quickly track the voltage regulator and display data stably;
6. Add large angle difference transformer test function, which can measure up to 1000
7. Adopt digital calibration technology, no adjustable potentiometer, and longer instrument service life;
8. With RS232, 485 interface, it can be operated online with a computer.

4、Technical indicators:

1. Standard two-stage current transformer:
Accuracy: 0.005 level
Primary current (A): 100, 75, 30, 25, 20, 15, 10, 5, 3, 2.5, 2, 1.5, 1, 0.6, 0.5, 0.3
Secondary current (mA): 1, 1.5, 2, 2.5, 3, 10/3, 4, 5, 6, 20/3, 7.5, 10, 15,
50/3, 20, 25, 30, 40, 50, 60, 100;
2. Transformer calibrator: (error display) Indication accuracy: 2%;
Error resolution: 0.00001%;
3. Current and voltage generator:
Maximum output power: about 300VA;
With fine adjustment, the adjustment fineness is better than 0.1%.
4. Load resistance (Ω): 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 75, 80, 100, 150, 200, 250, 500, 1000, 1500, 2000.