

HTBYC-3000 Transformer On-Load Tap-Changer Tester



I. Introduction

HTBYC-3000 is integrated measuring instrument used for measuring and analysis load tap changer electrical performance indicators of the power transformers and special transformers in power system. It adopts microcomputer control, through the design of precision measurement circuit, precise measure the load tap switch transition time, the transition waveform, transition resistance, three-phase synchronization and other parameters. According to the requirements and field conditions, the user can directly measure the tap - switch wire, and can also be directly connected with the transformer - phase casing and the neutral point.

II. Features

The instrument has the function of displaying, analyzing, storing and printing the measured data. It is significant to improve the reliability of power system operation, which can diagnose the potential fault of the load tap changer in the preventive test of power equipment and timely diagnosis of the load tap changer in transformer overhaul.

III. Parameters

Parameter	Indicator	Parameter	Indicator
Voltage output	>20V	Power supply	AC220V±10%, 50Hz
Current output	≥1A	Power	180W
Resistance measurement range	0.3~40Ω 20Ω-100Ω	Resistance measurement accuracy	0.1Ω~1Ω±0.1Ω, 1Ω~40Ω±5%±0.1Ω (1Ω not included)
Time measurement range	1ms~256ms	Time measurement accuracy	1ms~100ms±0.1ms 100ms~250ms±1%
Three phase synchronization	0.1ms	Sampling frequency	10~20KHz
Temperature	0~40°C	Humidity	≤80%RH
Dimension	420mm×350mm× 220mm	Weight	12kg(accessory included)

IV. Accessories

