



TTS 125-3300
TRANSFORMER
TEST SYSTEM

ULTRA PRECISE ◀

USER FRIENDLY ◀

"JUST CONNECT, REST'S AUTOMATIC"



TTS 125-3300 TRANSFORMER TEST SYSTEM

TTS 125-3300 ,designed by HIGHTEST, performs Load Loss (Copper Loss), No-Load Loss (Core Loss) tests, temperature rise tests and related tests of distribution transformers easily and fully automatic. System records and reports all test results via PC software.

VIA USER FRIENDLY DESIGN AND USAGE,
YOU JUST NEED TO CONNECT CABLES.



HighTest Technology Limited is a professional company based in UK which manufactures high precise test equipment. We mainly focus on the development, manufacture and marketing of Transformer test devices. We have several years of experience in the field of developing and producing high end test equipment. Customer satisfaction is our prime motto. We supply our test equipment worldwide to Transformer manufacturers, Electrical utilities, general contractors and service companies. Our test equipment is designed and produced according to the most widely adopted international standards. As we value our customers the most, our well experienced team always provides an excellent after-sales support and technical assistance.



TEST TRANSFORMER

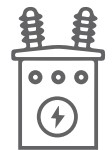


- 125 kVA Power
- 5 Taps Output
- Motorized tap changer
- Compact design
- Tap control via PC Software

| Tap | Voltage (L-L) | Max-Current |
|-----|---------------|-------------|
| 1 | 0 - 450 V AC | 160 A AC |
| 2 | 0 - 900 V AC | 80 A AC |
| 3 | 0 - 1800 V AC | 40 A AC |
| 4 | 0 - 2400 V AC | 30 A AC |
| 5 | 0 - 3300 V AC | 22 A AC |



CURRENT AND VOLTAGE TRANSFORMERS



- Ultra precise CT and VT specially designed for the system
- High accuracy for each current and voltage levels
- 500/5 A
Accuracy
T : Class 0.1 / Ratio Error <0.03%
- 4000/200 VVT
Accuracy :
VT :Class 0.1 / Ratio Error <0.1%
- High Insulation Level

WATT METER



- 0.1% accuracy
- Current Measurement up to 65 A
- Harmonic measurements
- High measurement accuracy in low power factor
- Compact design
- Current ranges: 200 mA-50A
- Current Ranges (8 ranges)



GENERAL

- Tests up to 2000 kVA and 6 % impedance transformers
- 125 kVA Test Transformer
- Automatic controlled tap changer
- Ultra precise power analyser
- Ultra precise measurement transformers (CT and VT)
- High level safety
- First class material and labors
- Mounted in 20" container
- Special design opportunity



APPLICATIONS

- Load Loss Test (Copper Loss)
- No-Load Test (Core Loss) Options
- Induced Voltage Test
- Applied Voltage Test
- Temperature Rise Test
- Winding Resistance Measurement
- Turn Ratio Measurement
- Insulation Resistance Test
- Oil Breakdown Analyse
- Tan-Delta Measurement



VARIABLE TRANSFORMER

- Column type design
- Remotely adjustable regulator up to 400 V
- Minimum and maximum security switch
- Zero-start function
- Auto-return to zero position
- Motor drive control for each phases separately
- Separately adjustable voltage level for each phases
- Auto balanced feature for each phase voltage level in case of unbalanced main supply
- Tap Display
- Advanced motor drives (for 3 phase)
- Control of voltage rise rate (for 3 phase)



SAFETY



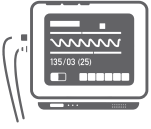
- Fire detection system
- Relay protections
- Foot pedal and Emergency stop buttons
- Warning lamp (Light and buzzer)
- Over current relays
- Over voltage relays
- Phase sequence relay
- Door and operator safety switches
- Warning lamp (While system works)
- Zero start function

OPTIONS



- Applied Voltage Test
- Temperature Rise Test
- Winding Resistance Test
- Transformer Turns Ratio Test
- Insulation Resistance Measurement
- Oil Breakdown Tester
- Tan-Delta Measurement





PLC DISPLAY AND REMOTE

- Full control via PLC
- 12.1" Siemens HMI panel
- Displays Connection Diagram
- Real time detailed monitoring for measurement values
- Alarm can control and displayed in PLC display
- Displays power parameters
- Separate voltage control for each phase via manual/ automatic control
- Manual tap changer control for Test Transformer on panel



COMPENSATION

- Auto-activated compensation system arrange compensation level automatically by itself
- Specially designed reactive power relay which can work at lower voltage levels
- Automatic and manual control feature
- Light display of on-line condensators
- High level control functions
- Emergency button



PC SOFTWARE

- All tests can be performed fully automatic via PC Software
- Three measurement option Fully Automatic, Semi Automatic, Manual
- System calculates test voltage and current levels after entering transformer label values . Then system perform tests according to these parameters.
- All safety indications can be monitored during test
- Control of alarms and warnings
- Separate control of each phases by PC software
- Display of voltage rise rate
- Display of network, variable transformer, compensation and power parameters
- Automatic report
- Save and recall of test results. In case of voltage decrease in one of the main supply, system can compensate this voltage drop via PC Software.





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