

HF-T-604

Transformer Winding Temperature Monitoring



This Transformer Winding Temperature Monitoring system tracks internal hot spots via embedded sensors, analyzes multi-dimensional data and alerts overheating risks to safeguard transformer operation.

Technical specifications

Parameter	Value
Applicable Transformer Type	Full series of 10kV~500kV oil-immersed and dry-type power transformers
Temperature Measuring Range	-40°C ~ +260°C
Temperature Measurement Accuracy	±0.5°C for Pt100; ±0.3°C for fluorescent optical fiber
Resolution	0.1°C
Supported Channels	Expandable from 3 to 64 channels
Transformer Winding Temperature Sensor Types	Pt100 Platinum Resistance, Fluorescent Optical Fiber, Infrared Temperature Measurement
Operating Power Supply	AC 170V~250V, 48~60Hz
Total Power Consumption	≤5VA
Relay Contact Capacity	Fan contact: 10A/250VAC; Alarm & Tripping contact: 5A/250VAC
Communication Interface	RS485 (Standard); Optional 4G / WiFi / 4~20mA analog output
Ambient Operating Temperature	-20°C ~ +55°C
Relative Humidity Resistance	≤95% (no condensation at 25°C)
MTBF (Mean Time Between Failures)	≥50000 hours
Storage Capacity	Store full temperature historical data for more than 3 years

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.