

HF-TC-610

Pressure Relief Valve Calibration Tester



This wheeled PRV calibration bench complies with JB standards, adopting air medium to automatically complete opening pressure, closing pressure and sealing tests. It supports data curve recording and multiple safety protections for transformer valve regular calibration work.

Key features

- Pressure acquisition: Real-time automatic dynamic pressure sampling
- Clamping structure: Electric compression clamping mechanism
- Calibration correction: Equipped with independent metering transmission and correction interfaces to support on-site full-machine calibration by third parties without equipment disassembly
- Universal calibration compatibility: Supports calibration for pressure relief valves of special structures and various calibers
- Actuation characteristic test: Captures real opening and closing pressure via continuous pressure acquisition to realize contact-free measurement

Technical specifications

Parameter	Value
Ambient operating temperature	-10°C ~ +40°C
Main unit power supply	AC 220±10% V, 50±1 Hz
Air compressor power supply	AC 220±10% V, 50±1 Hz
Main unit power consumption	400 W
Air compressor rated power	5500 W
Pressure measurement range	0 ~ 400 kPa
Pressure display resolution	0.1 kPa
Sealing test pressure range	10 ~ 150 kPa
Adjustable sealing holding time	5 ~ 180 min
Pressure boosting rate	25 ~ 40 kPa/s
Applicable valve caliber	Phi25 mm ~ Phi130 mm
Overall measurement accuracy class	Class 0.5
Air storage tank working strength	0.8 MPa
Test medium	Dry compressed air
Data storage capacity	Unlimited storage for batches of calibration records
Software function	Synchronous real-time plotting of opening & closing pressure-time curves
Control mode	Microcomputer measurement & control system
Display configuration	19-inch true-color LCD screen
Main unit dimension	1400 × 700 × 1550 mm
Main unit weight	≤ 150 kg
Equipment form	Wheeled bench-mounted structure (non-portable)
Overall outline dimension	Length ≤1400 mm, Width ≤700 mm, easy for elevator transportation and laboratory deployment

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.