

IT6

Impulse Tester 50V up to 6000 V Inter turn insulation tester



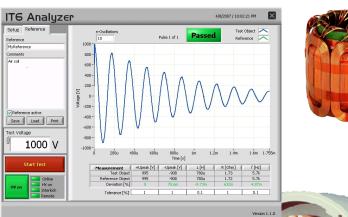
Powerful and simple,

- ✓ Testing of interturn insulation, main insulation of stator and rotor windings
- ✓ The IT6 can also be used to automatically test large quantities of windings in automated production
- ✓ Stand-alone function possible
- ✓ For routine testing of new and repaired coils and windings
- ✓ Type testing in research and development laboratories
- ✓ On site testing during periodic maintenance of machines
- ✓ High energy testing up to 36 Joules



Technical Data IT6

Teeliilledi Data 110	
Charging Voltage	50 – 6000 V
	Precision +/- 3 % Resolution 10 V
Output impulse voltage	50 – 6000 V, continuously adjustable
Output impulse voltage	
Polarity	positive
Repetition frequency	0 – 8 Hz
Impulse capacitance	switchable: 0.5, 1 or 2 μF
Max. impulse energy	9, 18, 32 Joule
Output impedance	< 2 0hm
Max. current	3000 A
Trigger	The trigger can be set for automatic repetition, manual control or extern
Charging voltage indicator	3 Digit Digital Instrument range 0 – 6000 V
Number of test impulses	With the pre-set counter, the number of test impulses is selectable between 1 - 99999
Outputs	 Trigger pulse for oscilloscope (BNC) amplitude +10 V High Voltage over 5m cable to the divider box HV Divider output (BNC) for oscilloscope input HV interlock output (norm. closed contact) Trigger contact (norm. open) to start the Impulse external (BNC)
HV divider	Capacitive Ratio, 1000:1 divider Accuracy: 3 % Bandwidth: DC – 5 MHz
Operation conditions	Temperature range: 0 – 50 deg C Max. humidity: 95%
Power supply	Singe phase AC 115 or 230 V, +/- 10% 50 or 60 Hz, 350 VA
Net weight	approx. 25 kg (system)
Dimension bench top housing	580 x 600 x 290 mm, W x D x H
Dimension field test housing	580 x 600 x 370 mm, W x D x H
improvements to specifications are subject to change	e without notice





Applications

- Routine testing in production facilities
- Routine testing in repair shops
- Type testing in research and development laboratories
- On site testing during periodic maintenance
- Testing of single phase or multiphase machines. transformers, motors and generator's operating on direct or alternating current
- And many more

Features

- Designed interturn to test insulation
- Generation of high inter turn voltages even in windings with few turns (low source impedance, 3000A, up to 36 Joules impulse current)
- Broad range of adjustable test voltage (50 V to 6000 V)
- Interface for computer control
- Manual or automated test sequence.
- Selectable repetition frequency
- Easy test result reading on oscilloscope or analyser (optional)