

SURGE TEST - SPECIFICATIONS

Automatic coil analyzer



- Available in 4 kV and 15 kV models.
- Reports are issued in PDF files.
- Tests on single-phase and three-phase motors and stators with 3, 6, 9 and 12 cables.
- Analysis of results using area, damping, inductance and frequency methods.
- Automatic calculation of the percentage deviation between coils.

Description

Equipment developed to identify insulation faults between turns of electrical windings (motors, generators, alternators and others). It is capable of identifying short circuits between turns, short circuits between phases and between phase/ground.

Specifications

Technical specifications			
Model	ST_4KV_M1	ST_15KV	ST_15KV_M
Voltage range (V)	400 - 4000 V	1000 - 15000 V	1000 - 15000 V
Maximum peak current (A)	260 A	1000 A	1000 A
Pulse energy (J) / capcitor	0,8 J - 100nF	4,05 J - 36nF	4,05 J - 36nF
Rise time	425 ns	< 100 ns	< 100 ns
Sampling rate	250 MS/s	250 MS/s	250 MS/s
Test outputs/connections	3 HV/GND + GROUND	1 HV/GND + GROUND	3 HV/GND + GROUND
Basic accuracy	2%	3%	3%
Processing and interface specifications			
Fabric size	10 "		
Touch screen fabric	Capacitive		
Languages available	Portuguese, Spanish and English		
PC - CPU / SSD Memory	1.6GHz/120Gb		
Peripherals	2 Usb, Wifi, Ethernet		
Operational system	Windows 10 home		
Issuance of PDF reports	Yes		
CSV file output	Yes		
Physical specifications			
Dimensions (H x W x D)	215 x 425 x 570 mm		
Weight (kg)	10 kg		
IP rating	IP 40		
Power supply	90-264 V de CA, 47-63 Hz, 2,5 A		
Cable length	2.5 Meters		