HVPD Kronos®
Spot Tester

DETECT, MEASURE
AND LOCATE
PARTIAL DISCHARGE
IN MINUTES

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TAURUS
POWERTRONICS PVT. LTD.

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DETECT, MEASURE AND LOCATE PARTIAL DISCHARGE IN MINUTES

This portable diagnostic test unit is designed for detecting PD in all types of in-service plants.

The spot tester is a six-channel, synchronous, battery-powered test unit with a rugged and compact design optimised for field portability.

Quick and easy to set up, it detects the early stages of insulation deterioration, providing an early warning against MV and HV insulation faults, and supports condition-based maintenance schemes, reducing unplanned outages, downtime and maintenance costs.

Detects PD in the following assets:

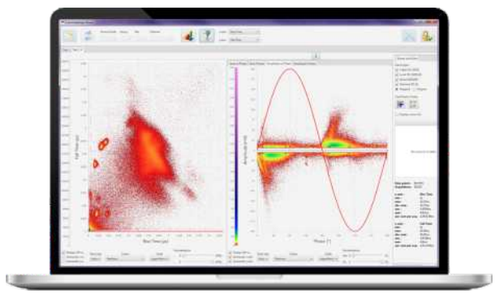
CABLES · SWITCHGEAR · TRANSFORMERS · ROTATING MACHINES

Compatible PD Sensors:

BTA · HFCT · TEV · HVCC · AA · SMART-TB3

Scan here to view the HVPD Kronos® Spot Tester Video

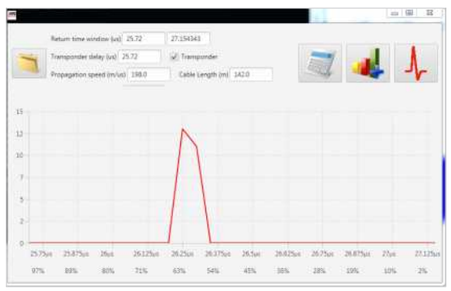
HVPD Kronos® Ultimate Software



This software is driven through a PC/server for interpretation of your assets' electrical insulation condition by measuring and distinguishing PD sources.

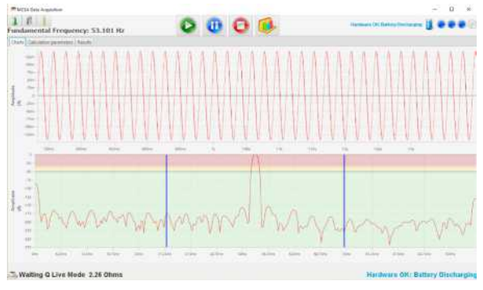
It features a number of reporting and analysis functions including, automatic report generation and the ability to view PD trends and phase resolved PD patterns.

Cable Mapping Analysis



In addition to PD detection, the device can be used for on-line PD cable mapping to locate significant cable PD within 1% of the circuit's overall length.

MCSA Testing



To increase your ability in assessing a machine's rotor/ mechanical performance, the HVPD Kronos® Spot Tester has an add-on Motor Current Signature Analysis (MCSA) feature – non-intrusive, on-line test technique, used to assess the rotor condition of motors by analysing the frequency content of the current.

TECHNICAL SPECIFICATION

PD Data Capture and Processing System	
Analogue bandwidth	50 MHz
Sample memory (one channel)	2 MPt
Minimum pulse rise time	10 ns
Sample rate	100 MS/s
Input channels	6x synchronous
Input connection type	BNC
Input filters (high pass)	50-60 Hz / 100 kHz / 200 kHz
Suitable PD sensors	HVCC, HFCT, TEV, AA, SMART-TB3™, BTA
Data capture method	Synchronous acquisition on 6x channels
Number of events captured per cycle	1000
Trace length in each data capture	20 ms (50 Hz power cycle)
Trigger	Automatic, AC line supply, internal mains field detector, external input
Trigger frequency	25 - 500 Hz
Battery life (in use)	8 hours
Battery life (standby)	1 week
Interface	USB to laptop
Mechanical Specification	
Dimensions (width, height, depth)	235 x 473 x 419mm
Weight	Main unit: < 10 kg
Environmental	
Operating temperature range	-20°C - +55°C
IP rating (transporting)	IP57
rd Scope of Supply	
	6x 10m coaxial cable (RG223), 2m IEC mains cord, 5m earth cable.
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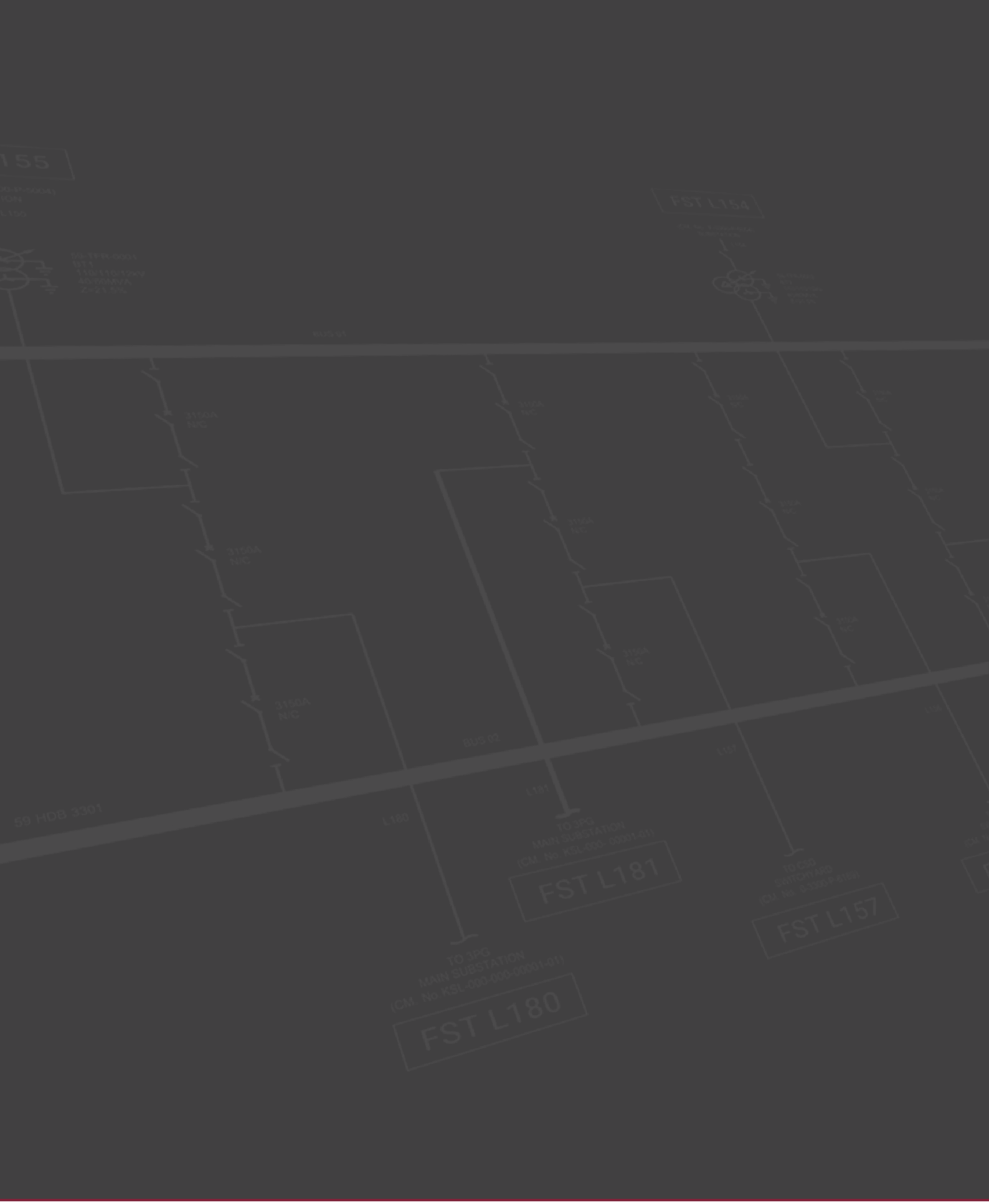
e waveshape event recognition to remove noise	Yes
Signal processing/noise reduction	Pulses are separated automatically by the knowledge-based, pulse wave shape analysis software into the following four categories: cable PD, remote plant/ machine PD, local/ switchgear PD, noise
Data captured/showed	PD peak level, cumulative PD activity and PD Count , 2D and 3D PRPD, plots. Chart, tables and trend view. Colour-based condition criticality rating, 2D and 3D projected events, multiple monitoring experiment configurations, regeneration of trend lines and reclassification of PD retrospectively
Real-time diagnostic acquisition	Yes
Service contract options	Yes
Automatic report	PDF report automatically generated
Laptop Specification (minimum)	
Operating system	64 Bit Windows OS
Memory	8 GB RAM
Screen resolution	1920 x 1080
Hard disk	200 GB



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AN ISO 9001 : 2015 COMPANY

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