KGT124P

Acoustic Imager

KGT ®
Instruments & Equipment

Description

The KGT124P Acoustic Imager is a portable intelligent device that integrates the PD location, sound source identification and location, and gas leak detection.

KGT124P utilizes 124 high-sensitivity digital microphone arrays, adopts beamforming and digital filtering technology to visualize the sound field distribution of the collected sound in the form of color contour maps, and superimposes perfectly with the visible video image to display the location of the sound source and defect the position directly and accurately.

This equipment is suitable for live inspection and positioning of high voltage overhead lines in power system, corona discharge, suspended discharge, surface discharge of various exposed high voltage equipment in substation. Detection and localization of discharges such as inside and outside of ceramic bushings, as well as detection and localization of various compressed gas leaks, localization of abnormal vibrations in equipment, etc.

Features

■ Make the sound visible - This instrument can visualize the location of the noise source directly and quickly locate the fault point, can be used for the detection of mechanical vibration and gas leakage of power equipment.

■ The sound can be selected - For different test scenarios, customer can selectively test the noise generated by the equipment by choosing different frequency bands to eliminate the outer boundary interference and accurately locate the noise source.

■ Quick analysis - the data measured by KGT124P can be automatically and quickly generated into a report.

■ Let the information can be interconnected - a book of instruments to support 4G full network communication, can realize the system online upgrade, report uploading, network timing, network calibration and other functions

■ 4G Network connected - KGT124P supports 4G network communication, which can realize online upgrade, report uploading, network timing, network calibration and other function.

User Interface

■ **User Interface on PC**

The screen displays basic information,such as detection person,

equipment, and location.

Waveform maps and on-site photos

Generate Word and PDF test reports in real time to improve work efficiency

■ **User Interface on mobile phone**

The detail page of the acoustic imager report records the

basic information, such as location, photo, etc.,

and presents diagnostic suggestions, time domain map,

frequency domain map, etc., after data sorting.

只为给你更好的测试体验，只为让我们成为更好的自己!

Keep Greater Testing，Keep Greater Together！

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Technical Specifications

Acoustic Imaging	
Number of Microphones	124 MEMS microphones
Frequency band	2kHz-48kHz
Field-of-View (FOV)	60°±5°
Sound Frame Rate	25FPS
Test sound pressure level range	0-120dB
Dynamic Range	-25-130dB adjustable
Camera	
Resolution	2560 x 1920
Camera FOV	55°- 65°
Focus	Fixed Lends
Zoom	2x Digital zoom
Focal Length	4mm
Display	
Resolution	1024*600
Screen Size	7 inch
Touch Screen	Capacitive
Image Storage	
Storage Capacity	16G
Image Format	JPG
Video Format	MP4
Power Supply	
Charge Voltage	12.6V
Battery Life	4-6 hours
Charging hours	3 hours
Data Content	Time, image, time-domain graph, frequency-domain graph
Communication Interface	USB 3.0
Operating Environment	-20 °C~50 °C
Humidity	10% to 95% non-condensing
Ingress Protection	IP3X
Dimension	235mm x 145mm x 49mm
Weight	1.2 kg

AnYang Substation

Hebei Grid ceramic bushing

Henan Substation

Hunan Grid

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