PARTIAL DISCHARGE ACOUSTIC IMAGER MODEL - KM-PDAI

INTRODUCTION :

The KM-PDAI is a standalone system for acoustic image measurements and signal analysis. As a standalone system, no additional equipment is needed for basic usage of the device.

This rugged, versatile tool can help you quickly and easily identify a variety of undesirable industrial conditions, like electric faults, gas leaks. With pinpoint accuracy the KM-PDAI allows you to instantly see audible and ultrasonic noises that are hard to detect, With 128 Digital Microphones, it will help you clearly see what you've been missing.

By adding an optional thermal camera part, the KM-PDAI can change functions between acoustic imaging and thermal imaging, making diagnosis more comprehensive and efficient.



FEATURES:

- 128 digital microphones
- Support PRPD function
- Remote upgrade, type-C port
- Easily display acoustic and thermal imaging together
- Batteries can be replaced manually, PD fast charging
- Optional thermal camera, support hot swapping

VISUALIZE WHAT YOU CAN HEAR AND WHAT YOU CAN'T



When an electric arc occurs, it results in ultrasonic wave element, higher than the audible frequency. Therefore, in noisy environment, ultrasonic wave element can be measured to determine whether or not electric arc have occurred and where they have occurred.

TECHNICAL DATA OF ACOUSTIC IMAGER

Sensor(microphone)	128	Video format	MP4
Effective frequency range	2 ~ 55kHz	Storage capacity	64GB, Max 128GB
Microphone sensitivity	-46 dBFS	Digital export	USB 3.0 Type-C
Signal-To-Noise ratio	66 dB(A)	Display	7 inch, 1280 x 800 resolution
Camera frame speed	25 FPS	Battery operation time	5 hours
Detection distance	0.3m ~ 100m	Operating temperature	-20°C ~ 50°C
	Due to real test situation	Size	246mm x 150mm x 45mm
Image format	JPG	Weight	1.25kg

TECHNICAL DATA OF OPTIONAL THERMAL CAMERA

Optical zoom	Adjustable
Resolution	640 x 512
Thermal sensitivity NETD	25mK@30°C
Temperature measurement range	-20°C ~ 650°C
Temperature measurement accuracy	± 2°C or ± 2%
Emissivity	0.1 ~ 1.00 adjustable, 0.01 step

MAKE YOUR ONLINE DIAGNOSIS MORE EFFICIENT



Acoustic mode: Easily to locate PD point and help you diagnose with PRPD function



Thermal mode: Quickly to locate where is unusual temperature part



Collaboration mode: Power your test in once test

Note: Need to use optional thermal camera part

BETTER DESIGN FOR YOUR EASIER USE



STANDARD ACCESSORIES

Carrying box
Pack, carry and protect acoustic imager



Battery
Two sets, one is in acoustic imager



Charger
charge the acoustic imager

Charging base
Charge the battery



Card reader
Help read storage card information through PC



Storage card
Save test image and video



Strap
Auxiliary fixation



Charging adapter cable
Connect with charger and charger base

OPTIONAL ACCESSORIES

Thermal camera

