

# MULTIFUNCTIONAL PARTIAL DISCHARGE DETECTOR

## HPD500



Support UHF, HFCT, TEV, AE, AA detection



Using mobile phones or tablets for control



Detection data can be shared in real time



Built-in selectable band filter



Supports on-site photo and video shooting



## PRODUCT COMPONENTS



## PRODUCT SELECTION

Model	HPD500-3	HPD500-4	HPD500-5
UHF	○	●	●
HFCT	○	○	●
TEV	●	●	●
AE	●	●	●
AA	●	●	●

Notes: Standard: ● Not support: ○

## SPECIFICATIONS

<b>Model</b>		<b>HPD500</b>
Detection method	AA, AE, TEV, UHF, HFCT	
Detection spectrum	PRPS, PRPD, continuous spectrum, flight spectrum, pulse waveform spectrum	
Alarm function	Support (alarm threshold can be freely set)	
<b>AA performance</b>		
Detection frequency band	40±1kHz	
Detection dynamic range	-8~68dBμV	
Sensor sensitivity	-65dB (0dB=1volt/μbar RMS SPL)	
Detection linearity error	≤10%	
<b>AE performance</b>		
Detection frequency band	20~200kHz	
Detection dynamic range	0~60dBμV	
Sensor sensitivity	Peak sensitivity ≥70dB(V/(m/s)), average sensitivity ≥60dB(V/(m/s))	
Detection linearity error	≤10%	
<b>TEV performance</b>		
Detection frequency band	3~100MHz	
Detection dynamic range	0~60dBmV	
Detection linearity error	≤10%	
<b>HFCT performance</b>		
Detection frequency band	3~30MHz	
Detection dynamic range	0~60dBmV	
Detection linearity error	≤10%	
Detection sensitivity	≤3PC	
Sensor transmission impedance	≥10mV/mA	
<b>UHF performance</b>		
Detection frequency band	300MHz~1500MHz	
Detection dynamic range	-70~0dBm	
Sensor equivalent height	≥10mm	
Detection sensitivity	≤2.5V/m	
Built-in filter	Full pass, low pass, high pass	
<b>Data transmission</b>		
Data transmission method	WIFI	
<b>Power frequency synchronization</b>		
Power frequency synchronization mode	Internal synchronization (frequency can be set), power synchronization	
Power supply synchronization transmission mode	Wireless transmission	
<b>Power supply</b>		
Power supply mode	Built-in lithium battery power supply	
Charging mode	TYPE-C charging (can be connected to a power bank)	
Continuous working time	>6 hours	

## SPECIFICATIONS

Physical parameters	
Operating temperature	-20~55°C
Host size	158x102x36.8mm
Host weight	450g