

PD600

Thermal & Partial Discharge Detector



SATIR PD600 is a new release that is a thermal and partial discharge detector. This model offers both thermal imaging and a PD detector in one. It is ideal for the electrical engineers to detect potential issues within the sub stations and electrical applications

Key Features

- 5" TFT touch screen
- 5MP visual camera
- Better performance with $\pm 2^{\circ}\text{C}$ as accuracy
- Professional analysis software
- Optional lens : 48° / 12° / 6°

PD600 Specifications

Model		PD600
Detector type	Uncooled FPA	
IR Resolution	640x480	
Thermal Sensitivity/NETD	<0.04°C@30°C	
Spectral Range	7.5~14μm	
Field of View	24.5°x18.2°	
Spatial resolution (IFOV)	0.66mrad	
Focal Length	18mm	
Focus	Manual	
Optional lens	48°/ 12°/ 6°	
Image Display		
Display	5"sunlight visible touch screen	
Display resolution	800x480	
Visible camera	5MP visual camera with built-in LED photo lamp	
Measurement & Analysis		
Object temperature range	-20°C~+650°C, Up to +2000°C(optional)	
Temperature measurement accuracy	±2°C or 2%of readings	
Spot, line and area setting	10 points,10 boxes and 5 lines	
Partial discharge detection		
Detection method	Ultrasonic or TEV	
Ultrasonic		
Measuring range	-8dBμV~65dBμV	
Measurement accuracy	±1dB	
TEV		
Measuring range	0dBmV~60dBmV	
Measurement accuracy	±1dB	
Image storage And Transmission		
Storage Media	32G removable SD card	
Thermal image format	jpg/.png(including full temperature data)	
Thermal video format	Real-time radiometric recording(.irv)/.H264	
Video output interface	Micro HDMI	
Power System		
Battery type	Detachable rechargeable lithium battery	
Battery voltage	DC12V	
Environmental Parameters		
Protection level	IP54	
Operation temperature	-20°C~55°C	
Physical Characteristics		
Weight	1.17kg(battery included)	
Size	272x135x136mm	