

**TECHNOLOGY
PRODUCTS**



THERMAL & PARTIAL DISCHARGE DETECTOR PD600





- 5" TFT Touch Screen
- Detection method - Ultrasonic / TEV
- IR Resolution 640x480
- Optional Lens 48/12/6 Deg.
- Real Time Radiometric Recording



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°**

Specifications

- **Model:** PD600
- **Detector type:** Uncooled FPA
- **IR Resolution:** 640x480
- **Thermal Sensitivity/NETD:** $< 0.04^{\circ}\text{C}@30^{\circ}\text{C}$
- **Spectral Range:** 7.5~14 μm
- **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)

Image Storage And Transmission

- **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



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