

Classic is a professional daylight corona and arcing detection device ideal for high-voltage laboratories, research institutes, classrooms, workshops, etc. Classic is a bi-spectral Solar Blind UV-Visible imager, designed to detect very faint UV emissions in full daylight with high signal to background ratio. Its powerful optics and additional optional set of close-up lenses ensure detailed view of inspected objects and reveal reliably existing discharge of corona and arcing. Classic comes with a dedicated reporting and analyzing software with flexible customized professional reports.

- **Corona detection highest sensitivity**
- **Rapid optical zoom of the visible channel**
- **Auto focus of the UV and Visible channels**
- **No need for calibration**

- **Adjustable high resolution LCD**
- **UV events counter**
- **Reporting software - multilingual**
- **Set of close-up lenses, optional**

CLASSIC Outstanding UV Sensitivity

UV sensitivity of 3×10^{-18} watt/cm² enables detection and displaying of corona emission as weak as 1.5 pC at a distance of 8m. Built-in UV events counter and display for estimation of the corona strength.

CLASSIC Pinpoints Corona Location

Classic's exclusive lenses enable pinpointing corona on close and distant objects. A set of optional interchangeable lenses supports detection of very close objects.

CLASSIC A Researcher's Tool

The unique combination of excellent sensitivity to UV emission in addition to top quality optics makes Classic the perfect tool for researchers. Classic supports investigations of corona sources and circumstances that lead to corona formation.

CLASSIC Easy to Operate

Keyboard controls with immediate direct operation and on-screen indications of selected controls. Switching between controls is instantaneous and seamless.

CLASSIC Reporting Software

Ofil's reporting database multi lingual software for easy and straightforward sorting, analyzing, storing and automatic report generation capabilities.

CLASSIC Portable Ergonomics

Classic is unique in its ergonomic design: it enables long continuous inspection either through using a tripod, or through an optional dedicated harness that eliminates hands strain and back aches.

CLASSIC For Safer Operation

The integral reflective high brightness 5.0" adjustable LCD screen is ideal for working in hazardous places where operators need to be watchful.

DETECT → PINPOINT → REPORT



CLASSIC

UV - Optical Properties

Minimum UV Sensitivity	3x10 ⁻¹⁸ watt/cm ²
Minimum Discharge Detection	1.5 pC @ 8 meters
Minimum RIV Detection	15dB°_V (RIV) @1MHz (test in accord with NEMA publ. 107-1987)
Field of View H x V	5° x 3.75°
Detector Life Span	No degradation
Focus	Full auto focus for UV and visible channels Simultaneous manual focus adjustment for both channels
Focus Distance	0.5m to infinity (with close up lenses, optional)

Visible - Optical Properties

UV/Visible Overlay Accuracy	Better than 1 miliradian
Minimum Visible Light Sensitivity	1 Lux
Video Standard	Full PAL or NTSC standards
Rapid Visible Zoom	25 optical x 12 digital Max Visible zoom reached within 1 sec on button push Return to normal value within 1 sec on button release

Display

Type	Integral High Resolution LCD, adjustable
Brightness	320 cd/m2 reflective, adjustable
Resolution	High-resolution 320 x 234 pixels B/W
Size	5"
Modes	Combined (UV & Visible), UV only, visible only
External Display	Composite PAL or NTSC via BNC jack

Controls & Operation

Method	Keyboard
Functions Activation	One touch button
Rapid Zoom	Continuous push button
System Status Indicator	LCD shows low battery

Environmental

Storage and operation Temp	-20°C up to +55°C
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Physical Characteristics & Power Source

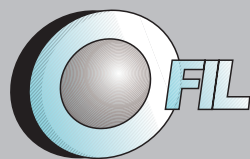
Weight	5.5 Kg 12 lb
Dimensions L x W x H	L25 x W17 x H15 cm 9.8" x 6.7" x 5.9"
Nominal Power Consumption	12V DC, 16 Watts
Power Source	Rechargeable battery for over 2.5 hours continuous operation Universal AC/12VDC Adapter

Data Storage*

Image/video	External via BNC jack
Annotation	PDA

* Optional.

Note: Specifications are subject to changes without early warning



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