

Infrared Window

Optic insert

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Infrared inspection windows are widely used in electrothermal imaging inspection. The window allows the light generated by the thermal imager at a specified wavelength to pass, thereby reducing the risk of arc-flash and electrocution, increasing personnel safety, and reducing the time and cost of preventive maintenance.

DESIOPTOE provides fluoride crystal optical windows (standard or customized) in various sizes and shapes. Fluoride crystals are suitable for various infrared, visual and ultraviolet inspection situations.

Window type	Longwave window	Shortwave and Midwave window
Crystal type	BaF2	CaF2
Working wavelength	0.15-14um	0.2-10.5um
Transmission	92% - 94%	92% - 94%
Crystal melting point	1386°C	1420°C

Optical insert's sizes and shapes can be customized

Sufficient stock of standard optic inserts for fast delivery	Crystal insert diameter	100mm
		95mm
		80mm
		75mm
		50mm

Typical Application

- Motor Control Centers
- Dry-type Transformers
- Distribution Panels
- High and Medium Voltage Switchgear Cabinets
- High and Medium Circuit Breakers
- Control Cabinets

IR window with mechanical housing can be supplied base on customized specification (Anodized Aluminum or Stainless etc.)

