

CLKTO C-Range Infrared Window for indoor applications

Technical Data

Increase the safety and speed of electrical thermography

Inspect your indoor switchgear safely with the latest IR Window from Fluke. If you are concerned about arc-flash or electrocution risk, this latest C-Range IR Window can help increase the safety of your personnel and reduce the cost of predictive maintenance, in compliance with indoor switchgear codes.



- Impact resistant viewing pane compliant to ANSI C37.20.2 for indoor switchgear up to 72 kV.
- CLKTO IR Windows from Fluke use the unique Quadraband™ multispectral optic, allowing inspection with any camera for total flexibility both now and in the future.
- Certified by UL and CSA as suitable for Type 1 (Indoor) environment in North America and Canada, these C-Range windows are tested to withstand the long term aging effects of UV exposure.
- The CLIRVU® coating—exclusive to Fluke Windows—seals the optic prior to assembly to protect against moisture degradation.
- Own a Fluke Camera? The Quadraband™ optic is IR-Fusion® compatible, allowing the thermographer to see potential problems in visual light and thermographic mode.
- The CLKTO IR Window incorporates a revolutionary, impact resistant viewing pane compliant with indoor switchgear regulations C37.20.2. For the first time, your Fluke IR Window allows visual inspection of your switchgear even with the cover closed.
- Identification plate attached for unique, onsite numbering for rapid location confirmation and faster repairs.
- Each infrared window comes complete with a security access key, installation instructions and self-adhesive drilling template.

Impact resistant viewing pane

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For the first time, your Fluke IR Window allows visual inspection of your switchgear even with the cover closed.



Specifications

3460611 FLK-075-CLKTO	
Optic data	
Crystal insert diameter	75 mm (2.96 in)
Viewing aperture diameter	68 mm (2.7 in)
Viewing aperture area	3632 mm ² (5.63 sq in)
Thickness	2 mm (0.08 in)
CLIRVU coating	Yes
Shortwave IR, Midwave IR, Longwave IR, Ultraviolet (UV) capable	Yes
Visual and fusion capable	Yes
Maximum temperature	Gaskets: 250 °C (482 °F) Body: 659 °C (1219 °F) Optic: 1400 °C (2552 °F)
Viewing pane	150 °C (302 °F)
Gaskets	Low smoke and fume (LSF) compliant silicone
Pull-out strength	Up to 630 kg (1388 lb)
Warranty	Lifetime replacement against manufacturing defects

Certifications

Underwriters Laboratories (UL) recognized	Yes
UL50 environmental	Type 1
UL746C	Yes
UL94	Yes - VO
Canadian Standards Association (CSA) approval	Yes
Environmental	Type 1
TUV	
Cyclic humidity and vibration withstand	Yes
IP rating	IP65
NEMA rating	Type 1 (UL third party certified)
Vibration rating	IEC60068-2-6
Humidity rating	IEC60068-2-3

Ordering information

3460611 FLK-075-CLKTO 75 mm (3 in)

Kwik-twist aluminium cover KT

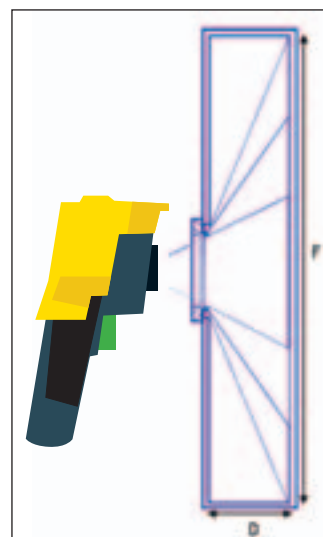
Included with product

IR Windows are supplied complete, assembled and ready for installation. In addition to the IR Window each carton contains an installation CD, self-adhesive drilling template, security access key, warranty statement.

Why is CLKTO different?

The CLKTO IR window from Fluke incorporates a unique twist-off magnetic cover which is impact resistant to ANSI requirements.

When infrared or ultraviolet imaging is being performed the visual viewing pane is removed and retained magnetically to the panel cover. Before and after imaging, visual inspection of the switchgear and imaging pane can be undertaken without exposing the operator to live electrical equipment.



Basic Field of View (FOV) calculation,
 $F = 6 \times D$

Fluke. Not just infrared.
Infrared you can use.™

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

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