

**TECHNICAL DATA** 

## Fluke 100 CLKT IR Window for Outdoor and Indoor Applications



### **Key features**

#### Fluke CLKT Infrared Windows are Available in Three Sizes 50 mm (2 in), 75 mm (3 in) and 100 mm (4 in)

Each CLKT infrared window is engineered and tested to withstand electric-arcs up to 50 kA for 30 cycles.

The ClirVu® coating - exclusive to Fluke infrared windows - seals the optic prior to assembly to protect against moisture degradation making it perfect for very hot and very cold outdoor environments.

Each Fluke infrared window is delivered with an identification plate attached for unique, on-site numbering for rapid location confirmation and faster repairs.

CLKT infrared windows come complete with a security access key, installation instructions and self-adhesive drilling template.

For 5 minute or less installation and Autoground consider the CV300.

### Product overview: Fluke 100 CLKT IR Window for Outdoor and Indoor Applications

#### **Save Time and Conduct More Efficient Electrical Infrared Inspections**

Once you've installed a Fluke infrared window there is no more need to power down or remove panel doors – you may never have to open the panel door again. Inspections are now conducted quickly, easily and safer than they were before.



Your greatest investment is not what's behind the panel door; your priority is to offer the ultimate protection for the electricians, engineers and inspectors who risk their lives every day doing their jobs.

# Specifications: Fluke 100 CLKT IR Window for Outdoor and Indoor Applications

Optic Data Specifications			
Crystal insert diameter	100 mm (3.94 in)		
Viewing aperture diameter	89 mm (3.5 in)		
Viewing aperture area	6322 mm² (9.79 in²)		
Thickness	4 mm (0.16 in)		
ClirVu coating	Yes		
Shortwave IR capable	Yes		
Midwave IR capable	Yes		
Longwave IR capable	Yes		
Ultraviolet (UV) capable	Yes		
Visual capable	Yes		
Fusion capable	Yes		
Canadian Standards Association (CSA) approval	Yes		
Environmental	Type 3/12		
KEMA (Arc-Testing)			
ANSI C37.20.7	50 kA for 30 cycles @ 60 Hz		
EEMACS 14-1 Type-B	40 kA for 30 cycles @ 60 Hz		
ASTA (Arc-Testing)			
IEC 62271	20 kA for 5 cycles @ 50 Hz		
TUV			
Cyclic humidity withstand	Yes		
Vibration withstand	Yes		
NEMKO			
Resistance of insulating materials to 100°	Yes		
Resistance of insulating material to ball pressure (Brinell)	Yes		
Glow-wire test 650°C	Yes		
Lloyds Register			

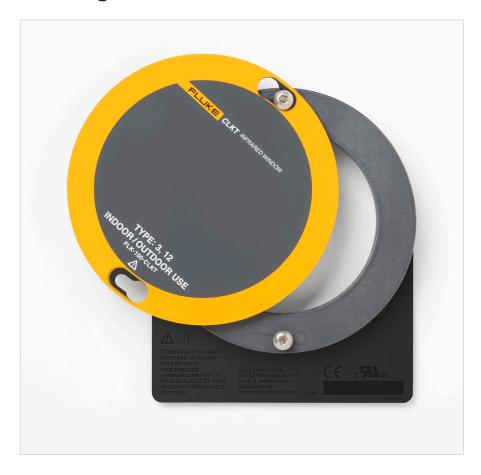
<sup>2</sup> Fluke Corporation Fluke 100 CLKT IR Window for Outdoor and Indoor Applications



Up to 11 kV marine switchgear, indoor or outdoor	Yes		
General Specifications			
Maximum temperature	Gaskets	250°C (482°F)	
	Body	659°C (1219°F)	
	Optic	1400°C (2552°F)	
Gaskets	Low smoke and fume (LSF) compliant silicone		
IP rating	IP65		
NEMA rating	Type 3/12		
Vibration rating	IEC60068-2-6		
Humidity rating	IEC60068-2-3		
Pull-out strength	Up to 630 kg (1388 lb)		
Warranty	Lifetime replacement against manufacturing defects		



### **Ordering information**



#### Fluke 100-CLKT

Fluke 100 CLKT IR Window for Outdoor and Indoor Applications

### Includes:

- 4 In. (100mm) C-Range IR Window
- Kwik Twist



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Fluke Corporation

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Specifications subject to change without notice.

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