

## TECHNICAL DATA

# Fluke CV301 ClirVu® 75 mm (3 in) Infrared Window



## Key features

### Installs and grounds in less than 5 minutes

Save time with quick and easy installation with the CV Series – 5 minutes or less .

- One technician
- One hole with standard Greenlee® punch
- Panel door does not need to be removed
- Grounds instantly to metal enclosure with patent-pending AutoGround™ process
- Maintains panel arc test ratings up to 63kA when properly installed

### Work more efficiently with Fluke ClirVu® CV301 75 mm (3 in) Infrared Windows

- NFPA 70E processes significantly reduced due to less work permit requirements
- Faster and more comfortable inspections because full PPE is often not required
- Reduce the risk of arc-flash and electrocution, increase the safety of your personnel and reduce the time and cost of preventive maintenance
- CV301 is Torture Tested™ to the highest arc blast test ratings IEEE C37.20.7: 63 kA Arc tested at KEMA, UL 50/50E/50V, UL1558, IEC60529-1: IP67, IEC 60068, NEMA 4/12, CSA C22.2 NO. 14-13:2012, and CE
- Convenience of both quick turn or security keyed access

## Product overview: Fluke CV301 ClirVu® 75 mm (3 in) Infrared Window

A company's greatest investment is not the equipment that's behind the panel door; top priority is to offer the ultimate protection for the electricians, engineers and inspectors who risk their lives every day doing their jobs.

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 environments.

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

If you don't need a security key access option see the CV300 IR Window .

The CV Series of infrared windows are also available in 50 mm (2 in) and 95 mm (4 in) sizes.

## Specifications: Fluke CV301 ClirVu® 75 mm (3 in) Infrared Window

General Specifications	
Size	75 mm (3 in)
Voltage range	Any
NEMA environment type	Type 4/12 (indoor/outdoor)
AutoGround™	Yes
ClirVu® optic	Yes
Operating temperature	-40°C to +232°C (-40° F to +450°F) and +260°C (500°F) intermittent
Compatible with all Fluke cameras	Yes
Jam nut locking system	Yes
Cover and fastener permanently attached	Yes
Single-hole install	Yes
Hand turn and security key door latch options	Yes
Visual inspection and fusion capable	Yes
Short/Mid/Long-wave IR and UV capable	Yes
Ratings and Testing	
Arc-tested (IEEE C37.20.7)	63 kA for 30 cycles @ 60 Hz at KEMA
UL 50 / NEMA environmental rating	NEMA Type 4/12
UL1558	Yes
CSA C22.2 No.	Yes
CSA type rating	Type 4
IP rating	IP67 at TUV

Lloyds register	Up to 11 kV marine switchgear, indoor or outdoor (offshore only)
Vibration rating	IEC60068-2-6 at TUV
Humidity rating	IEC60068-2-3 at TUV
<b>Install</b>	
Actual mounting hole diameter required	89.89 mm (3.539 in)
Greenlee® punch kit = punch/die	739BB = 1431AV/1432AV
Recommended max panel thickness	10 gage
Overall window height	141.5 mm (5.57 in)
Overall window width	111.5 mm (4.39 in)
Overall window thickness	16.2 mm (0.64 in)
Door latch	Security Key
<b>Optics</b>	
Optic insert diameter	75 mm (2.96 in)
Viewing aperture diameter	67.95 mm (2.675 in)
Viewing aperture area	3626 mm <sup>2</sup> (5.62 in <sup>2</sup> )
Thickness	2 mm (0.08 in)
<b>Other</b>	
Warranty	Lifetime replacement against manufacturing defects

## Ordering information



### **Fluke CV301**

Fluke CV301 ClirVu® 75 mm (3 in) Infrared Window

Includes:

- 3 in (75 mm) IR Window
- Security key door latch
- Warranty statement
- Fluke IR Windows are complete, assembled and ready for installation

**Fluke.** *Keeping your world up and running.®*

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