

## Fluke CV Series ClirVu® IR Windows



F-cv300\_01

F-cv300\_20A

Compliance without compromise. Safety without sacrifice: YOUR RESULTS MATTER™

Increase the safety and speed of your electrical thermal imaging inspections with the new Fluke ClirVu® infrared windows. Reduce the risk of arc-flash and electrocution, increase the safety of your personnel and reduce the time and cost of preventive maintenance.

- Save time with quick and easy installation – 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
- 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
- Fluke IR Windows offered in three sizes 50 mm, 75 mm and 95 mm (2 in, 3 in and 4 in)
- Work permit requirements and NFPA 70E processes are significantly reduced
- Full PPE is often not required so inspections are done faster and more comfortable

Model	FLUKE-CV400	FLUKE-CV401	FLUKE-CV300	FLUKE-CV301	FLUKE-CV200	FLUKE-CV201
Size	95 mm (4 in)		75 mm (3 in)		50 mm (2 in)	
<b>General</b>						
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					
Body material	EZAC & ZA-27 HIGH STRENGTH ZINCALUMINIUM ALLOY					
<b>Ratings and testing</b>						
Arc-Tested (IEEE C37.20.7)	63 kA for 30 cycles @ 60Hz at KEMA					
UL 50V component recognition	Yes					
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 11kV 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	115.42 mm [4.544 in.]		89.89 mm [3.539 in.]		61.37 mm [2.416 in.]	
Greenlee Punch Kit = Punch / Die	742BB = 2984AV / 2983AV		739BB = 1431AV / 1432AV		76BB = 441AV / 442AV	
Door Latch	Hand Turn	Security Key	Hand Turn	Security Key	Hand Turn	Security Key
<b>Optics</b>						
Optic insert diameter	95 mm (3.74 in)		75 mm (2.96 in)		50 mm (1.97 in)	
Warranty	Lifetime replacement against manufacturing defects					
FLUKE-CV200, 2 IN (50MM) IR WINDOW, HAND TURN DOOR LATCH						
FLUKE-CV201, 2 IN (50MM) IR WINDOW, SECURITY KEY DOOR LATCH						
FLUKE-CV300, 3 IN (75MM) IR WINDOW, HAND TURN DOOR LATCH						
FLUKE-CV301, 3 IN (75MM) IR WINDOW, SECURITY KEY DOOR LATCH						
FLUKE-CV400, 4 IN (100MM) IR WINDOW, HAND TURN DOOR LATCH						
FLUKE-CV401, 4 IN (100MM) IR WINDOW, SECURITY KEY DOOR LATCH						