

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)	
General						
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					
Ratings and testing						
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					
Install						
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
Optics						
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						