



C-safe®

UL Approved



C-safe Crystal



C-safe Mesh

C-safe® Infrared Inspection Ports

Electrical systems and equipment in modern protective cabinets require dedicated inspection ports for safe, easy viewing. C-safe is available for both medium voltage (solid crystal port) and low voltage (mesh port) equipment. Easy to fit, safe to use, C-safe is available in a variety of sizes to suit your every need.

Thermoteknix C-safe inspection ports provide clear viewing for both visual inspection and Infrared camera surveys. Available in solid, IR transparent crystal window and mesh models, C-safe gives improved protection against the serious danger of “arc flash” and electrocution which can occur from opening live electrical cabinets.

Thermoteknix C-safe ports can be supplied with new systems or, alternatively, can be retro-fitted to existing installations. C-safe solid windows are manufactured from pure crystal with high transmission in long wave infrared as well as the visual wavelengths. Crystal models of C-safe are waterproof and are suitable for use in exterior applications.

Safety is our highest priority and C-safe inspection ports meet or exceed UL and ULc standards. A non-flammable metal cover protects the port when not in use and ensures maximum integrity of the system when in service.

“See safely into your electrical equipment...think C-safe”





infrared inspection ports

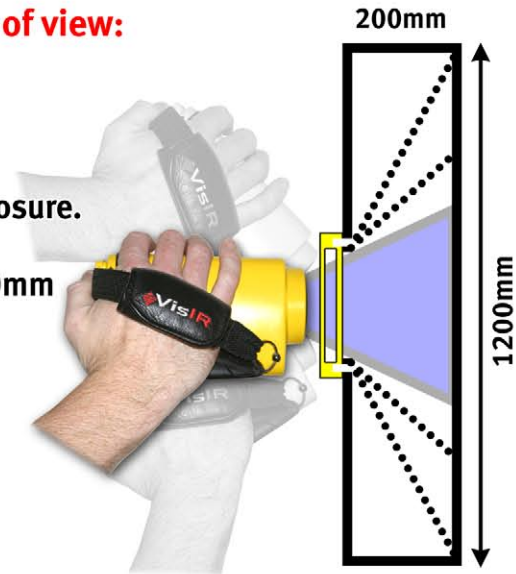
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C-safe Crystal

Establishing internal field of view:

The internal field of view is
6 times the depth of the enclosure.
A cabinet with a depth of 200mm
will have a 1200mm internal
field of view.



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Diameter	Construction	Part number
50mm (2")	Solid Crystal	QV 05 0001
75mm (3")	Solid Crystal	QV 05 0002
100mm (4")	Solid Crystal	QV 05 0003
50mm (2")	Mesh (LV only)	QV 05 0004
75mm (3")	Mesh (LV only)	QV 05 0005
100mm (4")	Mesh (LV only)	QV 05 0006

C-safe Specification

Thickness of window crystal	3mm
Melting temperature	1800°C
Wavelength	Long Wavelength (8-10µm)
Protective cover	Aluminium
Cover retention	Steel screws
Case Construction	Rugged Anodised Aluminium
Dirt ingress protection	IP65 NEMA 3/12

Gasket material temperature performance

Low Smoke & Fume Gasket Type	34°C - 285°C
Clean Room Gasket Type	-4°C - 125°C

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