

# IW SERIES

The latest generation of **SMART Infrared Windows** for **low, medium and high voltage** applications.



## FEATURES

The IW Series are fully certified and tested to the following standards: **UL50, UL50V and UL1558**

Manufactured from industrial grade materials proven to withstand electric arcs

Efficient 1/4 turn locking system

Intelligent multiple identification system for each individual window

Arc flash tested against a 50kA short circuit for 1 second at 11kV

### CorDEX IW Series SMART Infrared Windows.

The IW Series is manufactured from industrial grade materials designed to withstand electrical arcs and certified by Underwritten Laboratories (UL) to follow the very latest IR window standards. Install the certified, IW Series SMART IR Windows to help comply with NFPA70E electrical safety guidelines and reduce the need to wear large and bulky PPE.

Take a look before you shoot with the high security, spring loaded impact cover. With IW Series, there is no need for second visual inspection windows in addition to your IR Windows, as you can confirm switch positions for lock-out tag-out compliance with the same Window as you shoot IR. Maximise your investment, don't throw away

your IR Windows when you change your equipment. The fully removable IW Series IR Windows can be used again and again, outliving the life of your equipment.

Through intelligent design and special features, the IW Series reduces the time it takes to perform inspections. With the ¼ turn locking system and spring loaded cover it reduces your time per inspection.

The IW Series crystal lens is also protected with HYDROGARD™ advanced formula to stop environmental moisture damage allowing the windows to be used both indoor and outdoor.

## PRODUCT OVERVIEW

Optic/Crystal Data	IW2000	IW3000	IW4000
Crystal Insert Diameter	50mm (2in)	80mm (3.2in)	100mm (3.9in)
Viewing aperture diameter	45mm (1.8in)	73mm (2.9in)	93mm (3.7in)
Viewing aperture area	1591mm <sup>2</sup> (2.5in <sup>2</sup> )	4186mm <sup>2</sup> (5.6in <sup>2</sup> )	6794mm <sup>2</sup> (9.79in <sup>2</sup> )
Thickness	2mm (0.08in)	2mm (0.08in)	4mm (0.16in)
HYDROGARD™ Coating		Yes	
Shortwave IR capable		Yes	
Midwave IR capable		Yes	
Longwave IR capable		Yes	
Ultraviolet (UV) capable		Yes	
Visual capable		Yes	
Fusion capable		Yes	

Certification	
Underwriters laboratories (UL) recognised	Yes
UL50	Type 4/12
UL746C, UL94, UL50V, UL1558	Yes
Sira IP65	Yes

General Specification	
Maximum Temperature	Gaskets: 250°C (482°F) Body: 659°C (1218°F) Optic: 1400°C (2552°F)
Gaskets	Low smoke and fume (LSF) compliant silicone
NEMA rating	Type 4/12 (UL Third Party Certified)
Vibration rating	IEC60068-2-6
Humidity rating	IEC60068-2-3
Warranty	Lifetime replacement against manufacturing defects

	Window Aperture	Diameter	Depth
IW2000	45mm (1.8in)	77mm (3.0in)	19.5mm (0.8in)
IW3000	73mm (2.9in)	103mm (4.1in)	19.5mm (0.8in)
IW4000	92mm (3.7in)	123mm (4.9in)	21.5mm (0.85in)



Embedded RFID chip enables open-architecture databasing with any compatible RFID enabled device. Use with CorDEX CONNECT enabled imagers for automatic transmission correct and reporting



HYDROGARD™ coated broadband optic, impervious to moisture, mild acids and alkalis – guaranteed



Spring loaded impact cover, automatically raises and holds during your IR scan in any orientation



SMART tools working together, saving you time and money. Go to page 19 for the TC7150 RFID enabled thermal imager.

CorDEX reserve the right to make changes to the instrument at anytime and without notice.