

# 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, UL1558

Manufactured from industrial grade materials proven to withstand electric arcs

Efficient 1/4 turn locking system

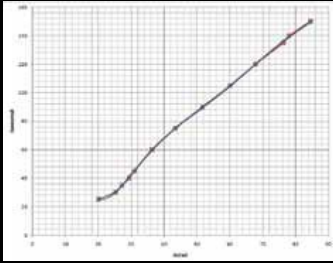
Intelligent multiple identification system for each individual window

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

**The IW Series** is the latest generation of SMART IR Windows from CorDEX Instruments. The IW Series infrared window operates with any thermal imager, helping take electrical inspection and predictive maintenance to a new level of safety, efficiency and accuracy.

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.

Through intelligent design and special features the IW Series reduces the time it takes to perform inspections. With the 1/4 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.



Transmission correction data available for every SMART IR window



Unique HYDROGARD™ lens moisture protection



Unique IR Window identifiers using RFID, Barcodes and Serial Numbering

# 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)

## FEATURED PRODUCT

TC7000/TC7150  
Thermal Imaging Camera



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

**For product information and to place an order contact:**

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