

CorDEX

INSTRUMENTS

SAFER | FASTER | BETTER

IW3000/4000

Intelligent IR Window



- » 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

INTELLIGENT INFRARED WINDOWS FOR LOW, MEDIUM AND HIGH VOLTAGE APPLICATIONS

The IW Series is the latest generation of Intelligent 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 Intelligent 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 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.



Transmission correction data available for every Intelligent IR window



RoutePLANNIR™ database software



Unique IR Window identifiers using RFID, Barcodes and Serial Numbering

Authorised distributor



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IW3000

IW4000

Optic / Crystal Data

Crystal Insert Diameter	80mm (3.2in)	100mm (3.9in)
Viewing aperture diameter	73mm (2.9in)	93mm (3.7in)
Viewing aperture area	4186mm ² (5.6in ²)	6794mm ² (9.79in ²)
Thickness	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	

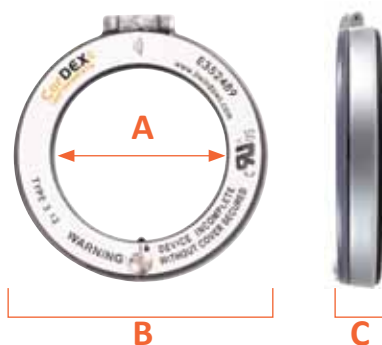
Certification

Underwriters laboratories (UL) recognised	Yes	
UL50	Type 3/12	
UL746C, UL94, UL50V, UL1558	Yes	
Sira		
IP65	Yes	

General Specifications

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 3/12 (UL Third Party Certified)
Vibration rating	IEC60068-2-6
Humidity rating	IEC60068-2-3
Warranty	Lifetime replacement against manufacturing defects

	A	B	C
IW3000	73mm (2.9in)	103mm (4.1in)	19.5mm (0.8in)
IW4000	92mm (3.7in)	123mm (4.9in)	21.5mm (0.85in)



IW3000/4000 is supplied complete as standard with:

- » IW3000/IW4000 (order dependant)
- » Installation Instructions
- » Installation Drill Template
- » CorDEX Instruments Access Key
- » Fixing Screws

CorDEX Instruments reserve the right to make changes to the instrument at anytime and without notice. *Check operations maintenance manual for compatibility.



Ref: IW 4000, Rev:8