ViPIRS

HYDROGARD CONNECT

IW SERIES

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

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

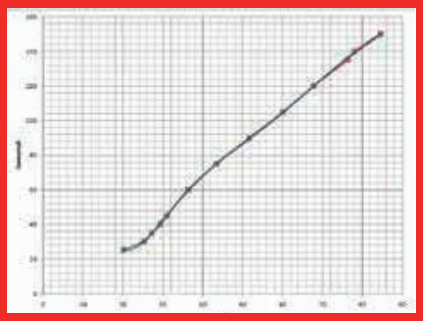
Arc flash tested against a 50kA short circuit for 1 second at 11kV

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 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.

IW SERIES



Transmission correction data available for every SMART IR window

HYDROGARD

Unique HYDROGARD™ lens moisture protection

Unique IR Window identifiers using RFID, Barcodes and Serial Numbering

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	1591mm² (2.5in²)	4186mm² (5.6in²)	6794mm² (9.79in²)
Thickness	2mm (0.08in)	2mm (0.08in)	4mm (0.16in)
HYDROGARDTM 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)

ViPIRS 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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Authorised Distributor

ISO 9001 sira UKAS
Cert No:103910

Ref ID: IRW, 2024, Rev A