



The CAP-B Series

Custom Non-Segmented Bus Bar System IR Window

The FlexIR CAP-B Series, for non-segmented bus bar systems, is a large format combination infrared, visual and ultraviolet inspection window specifically designed for the power generation and large power user market. The bolted window design also acts as an access port for repairs as it can be easily removed to allow the engineer access to repair the fault. Once refitted, the bus bar system can be re-energized and the repaired joint can be inspected to confirm that the repair was effective.

Customizable Design

There is no such thing as a standard IR inspection so why should there only be a standard IR Window? IRISS is the only IR window manufacturer with solutions for unique applications. The patented IRISS reinforced optic is flexible and can be manufactured in an infinite number of shapes and sizes ensuring that the FlexIR Custom IR window meets your needs and applications.

UL Listed

Large format replacement panels like the CAP-B Series are now UL Listed replacement components (UL File E 491496). The CAP-B Series has an oversize Field of View (FOV) giving the thermographer infinite viewing angles within the bus system.

Features



UL Listed



Unparalleled Field of View



Poly-View™ Optic



Fixed & Stable Transmission



Anti-Fogging Optic



Durable and Rugged



Customizable



E Sentry Connect Asset Management



Unconditional Lifetime Warranty



Proudly Made in the United States

Specifications

Model	CAP-B-6	CAP-B-12	CAP-B-18	CAP-B-24
General Specifications				
NEMA Rating	IP65 / NEMA 4			
Voltage Range	Any			
Operating Temperature	-40°C (-40°F) to 273°C (523°F)			
Body and Cover Material	Powder Coated 5052 Aluminum			
Hardware	316 Stainless Steel			
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)			
Dimension and Optic Specifications				
Optic Material	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)			
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)			
Viewing Aperture Dimensions	L= 9.1 cm (3.6 in) H= 15 cm (5.9 in)	L= 23.6 cm (9.3 in) H= 12.7 cm (5.0 in)	L= 39 cm (15.4 in) H= 15 cm (5.9 in)	L= 53 cm (20.9 in) H= 15 cm (5.9 in)
Overall Dimensions	Customizable			
Inspection Capabilities and Applications				
Midwave IR	Yes			
Longwave IR	Yes			
Ultraviolet (UV)	Yes			
Visual Inspection	Yes			
Medium/High Voltage Applications	Yes			
Other				
Warranty	Unconditional Lifetime Warranty			

Certifications

UL & cUL Certifications:

- UL 50V & UL 50E
- UL 746C & UL 746A-2012
- UL 1558
- UL 508A/ ANSI 508A

CSA Certifications:

- CSA C22.2 No. 14-13
- CSA C22.2 No. 14-10
- CSA C22.2 N0. 94-M91
- CSA C22.2 N0. 94.1-07
- CSA C22.2 N0. 94.2-07

IEEE Certifications:

- IEEE C37.20.7 Type 2B
- IEEE C37 20.2.a.3.6

IEC Certifications:

- IEC 62271-200
- IEC 60262271-200
- IEC 60298 Appendix A
- IEC 60068-2-6:2007
- IEC 60068-2-3
- IEC 60068-2-78:2012

Other:

- IP65/NEMA 4
- American Bureau of Shipping (ABS)
- DNV P261.1E Maritime, Vessel and Offshore
- Lloyds of London Type Approval



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