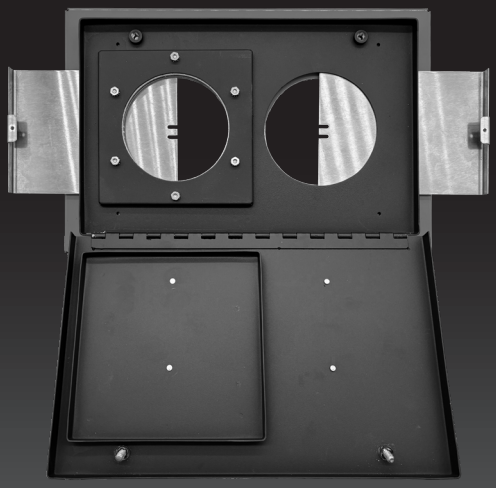
IRISS CAP-HT-100-AP Series

High Temperature Infrared and Gold Cup Inspection Windows

Overview

The CAP-HT-100-AP Infrared and Gold Cup Inspection Windows are expertly crafted for high-temperature environments, capable of withstanding surface temperatures as high as 1832°F (1000°C). Perfectly suited for furnace applications, they feature a rugged sapphire crystal lens and a port hole. These windows are compatible with any SWIR and MWIR thermography camera and support Gold Cup inspection, enabling precise monitoring in the shortwave and midwave IR spectrum and accurate temperature measurements. The design ensures equipment remains sealed during inspections, protecting against heat exposure and prioritizing the safety of both maintenance personnel and the machinery involved.



Key Features

Extreme High-Temperature Applications

Engineered for extremely high-temperature applications, withstanding surface temperatures up to 1832°F (1000°C).

Durable and Rugged

Constructed with a 100% stainless steel high temperature powder coated body and sapphire crystal optic.

Closed Furnace / Oven Inspections

Designed to prioritizes and ensure equipment stays enclosed during the inspection to prevent exposure to high temperatures.

Extreme Temperature Optic

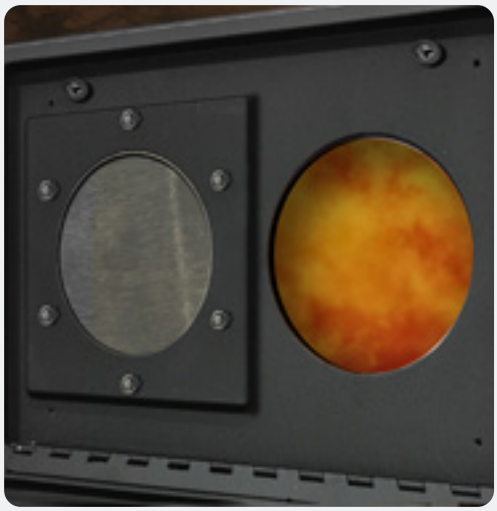
Our exclusive saphire optic system enables personnel to perform safe and accurate visual, SWIR, MWIR and UV inspections.

American Made, Globally Trusted

100% conceived, designed, and built on American soil , embodying the innovation, and quality, of American manufacturing.

Limited Lifetime Warranty

The IRISS limited lifetime warranty provides unparraled protection against manufacturer defects.



Specifications

Model	CAP-HT-100-AP
General Specifications	
Overall Height	21.33 cm (8.399 in)
Overall Width	32.43 cm (12.766 in)
Operating Temperature	Surface Temperature -40°C (-40°F) to 1832°F (1000°C)
Body Material	High Temperature Powder Coated 316 Stainless Steel
Gasket Material	Novamica 200
Hardware Material	316 Stainless Steel
Optic Specifications	
Viewing Aperture Diameter	10.2 cm (4.0 in) Ø
Optic Material	Sapphire Crystal
Inspection Capabilities and Applications	
Shortwave IR; Midwave IR; Ultraviolet (UV); Visual Inspection; Gold Cup Inspection; High Temperature Applications	
Other	
Warranty	Limited Lifetime Warranty

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template.

Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

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