

InfraRed (IR) Windows

Enable successful thermographic inspection programs for energized electrical installations

- Arc resistant
- PIRma-Lock™ locking ring provides approx. 30x more holding surface area
- Broadband Crystal
- For Indoor/Outdoor use
- Waterproof meets IP67
- Available in 2", 3" or 4" diameter
- Limited Lifetime Warranty



Hinged cover stays attached Window labeling/ID # Mount on Steel or Lexan Perform visual & Thermal inspections



IRW-Series Features

- Minimizes time and cost of complying with NFPA 70E requirements for electrical inspections
- Decreases risk of arc flash incidents and resultant injuries (compared with other inspection methods)
- Perform both Visual and Thermal inspections through the broadband crystal window which is compatible with all thermal cameras and UV, Visual and Fusion inspections (Fusion requires a camera with LED light feature)
- Integrity and environmental ratings of cabinets are intact even after installation
- Rugged anodized aluminum frame & cover
- Hinged cover always stays attached to base unit (minimizes risk of dropping parts around electrical cabinets)
- Windows are sized to match dimensions of standard knockout punches
- Easy to install — 3 step installation
- Provides approx. 30x more holding surface area securing the window to the cabinet door (vs. mounting screws)
- Mount on steel and Lexan panels
- No screw holes to drill or screws to attach
- Window labeling/ID# inside the cover
- Limited Lifetime Warranty against manufacturer defects



Model	IRW-2C	IRW-3C	IRW-4C
Crystal Insert Diameter	1.97" (50mm)	2.95" (75mm)	3.74" (95mm)
Viewing Aperture Diameter	1.73" (44mm)	2.71" (69mm)	3.50" (89mm)
Viewing Aperture Area	2.36 in ² (1521mm ²)	5.79 in ² (3739mm ²)	9.64 in ² (6221mm ²)
Window Thickness	0.07" (2mm)	0.07" (2mm)	0.1" (4mm)
NEMA Rating	Type 4/12	Type 4/12	Type 4/12
Optic Maximum Temperature	2474°F (1355.6°C)	2474°F (1355.6°C)	2474°F (1355.6°C)
Voltage Range	Any	Any	Any
Overall Dimensions (HxWxD)	3.36x2.87x1.00" (85.5x73x25.5mm)	4.22x3.9x1.05" (107.4x99x26.86mm)	5.37x5.01x1.15" (136.5x127x29.25mm)

Ordering Information

Part Number

- 19250-100IRW-2C InfraRed Window 2" (O.D. 2.87"/73mm)
- 19251-100IRW-3C InfraRed Window 3" (O.D. 3.9"/99mm)
- 19252-100IRW-4C InfraRed Window 4" (O.D. 5.01"/127mm)

Supplied by :

Test and Measurement Instruments C.C.
www.instrumentsgroup.co.za

