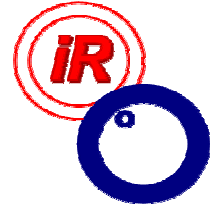




Global Maintenance Technologies

Total Engineering Solutions

IRISS® VPF(R)



Infra Red Inspection Support Systems

Global Maintenance Technologies announce the release of our innovative VPF(R) range of Infra Red Inspection Ports.

As there are no specific regulations relating to IR windows at the moment we at G M Tech decided to build an IR window that could meet the IEEE requirements for Viewing Panes. IEEE C37.20.2 is directly applicable to Metal Clad switch gear up to 38KV and Station Type gear up to 72KV. Specifically section A.3.6 describes the test procedure and qualifies a "viewing pane" must have to be acceptable. Our VPF (R) line passed this test with flying colors and we are offering the VPF (R) windows to you at the existing VPF levels.

We have produced a range of IP65 / NEMA 4 inspection ports that meet the standard which specifies that a transparent material covering an observation opening and forming a part of the enclosure should be reliably secured in such a manner that it cannot be readily displaced in service and should meet the following requirements:

- Viewing panes should not shatter, crack, or become dislodged when both sides of the viewing panes in turn are subjected to:
 - A force of 445 N (100 lbf) should be exerted perpendicular to the surface in which the viewing pane is mounted. This force should be distributed evenly over an area of 0.010 m² (16 in²) (as nearly square as possible and as near the geometric center of the viewing pane as possible). If the viewing pane has an area less than 0.010 m² (16 in²), the force should be evenly distributed over the entire viewing area. The 445 N (100 lbf) should be sustained for a period of 1 min.
 - The viewing pane should be subjected to an impact of 3.4 J (2.5 ft-lbf) using a steel ball weighing approximately 0.54 kg (1.18 lb) and measuring approximately 50 mm (2 in) in diameter.

This test is extremely harsh and would destroy traditional IR viewing materials (except perhaps Sapphire), however our VPF(R) range of windows incorporates our IR1 polymer reinforced by a IP2X grill insert, this is the only IR window available at present that meets and exceeds the standards listed above and is another first for IRISS Infra Red Inspection ports.

For More Information visit www.g-m-tech.com

The Professional Thermographers Choice!

