

Infra-View® GB/IS Generator Bus Temperature Monitor

Website: www.infra-view.com

The Infra-View® GB/IS Generator Bus Temperature Monitor is a remote infrared sensor designed with intrinsically safe encapsulated components that are able to withstand the considerable EMF generated by the isolated-phase bus bars.



Infra-View® GB/IS Generation Bus Temperature

Due to the high voltages and amperages of the bus, in excess of 24 kV/kA, the Infra-View® GB/IS is mounted on the bus duct with a direct field of view to the bus in order to remotely measure the bus temperature.

- SPECIFICALLY DESIGNED FOR OLDER GENERATORS UPGRADED TO RUN AT HIGHER POWER LEVELS.
- DIFFERENT ISO-PHASE BUS TEMPERATURES INDICATE UNBALANCED LOADS BETWEEN PHASES
- MEASURE BUS TEMPERATURE REMOTELY AND ANNUNCIATE ALARM CONDITIONS.
- ELIMINATE BUS FAILURE FROM HEAT BUILD-UP GENERATED FROM LOOSE ARCING CONNECTIONS

- Specifically designed for updated generators where bus work has not been upgraded.
- Bus temperatures are measured to within $\pm 0.01^\circ\text{F}$ or C with a span from 0°F (-18°C) to $1,000^\circ\text{F}$ (538°C). This information is transmitted directly to the control room DCS by the Infra-View® GB/IS sensor, via an integrated 24 VDC/4-20 mA wiring loop.
- Acquired data of each iso-phase can then be recorded into a history file for comparison to MW load and alarm annunciation.
- Overall load shedding or inspections can then be performed based on this valuable data preserving the integrity on the iso-phase bus work.



Infra-View® GB/IS Generator Bus Temperature Monitor with air cooling

JNT TECHNICAL SERVICES INC.