

SFPR HIGH TEMPERATURE PYROMETER

NON-CONTACT TEMPERATURE MEASUREMENT FOR HIGH TEMPERATURE PROCESSES



The **SFPR** is an industrial grade non-contact temperature measurement system for boilers, furnaces, kilns and other high temperature processes. The system consists of a high performance infrared sensor mounted inside one of **SYN-FAB**'s air cooled high temperature housing/lens tube assemblies. The field mounted unit utilizes the same mounting arrangement as **SYN-FAB**'s high temperature camera systems and provides the temperature of the area targeted by the optics. In addition to the LED temperature readout, a 4-20 mA or 0-5 VDC signal is available for remote readouts and/or data processing. Air cooled lens tubes are available from 6" to 48" with several field of view options to choose from. Temperature ranges up to 3200° F are available.

SYSTEM INCLUDES:

- ▶ high temperature infrared sensor
- ▶ air cooled stainless steel lens tube
- ▶ high temperature **STEELON™** sensor housing (stainless steel over high temperature synthetic)
- ▶ slide trac or fixed mount
- ▶ regulator assembly with 1 ea. 15' (457 cm) quick disconnect air line
- ▶ NEMA 4X enclosure with digital temperature readout, sensor controls and signal output terminal
- ▶ factory assembled, calibrated, pre-adjusted and ready for installation

SENSOR:

Accuracy: $\pm 1\%$
Repeatability: $\pm 1\%$ rdg ± 1 digit
Spectral Response: 8 - 14 microns
Emissivity Range: 0.10 to 0.99
Display: Backlit LCD
Transmitter Outputs: 2 mV/degree, 0-5 Vdc, or 4-20 mA
Power: 7 - 24 VDC @ 80 mA
Response Time: 250 msec; 0 to 63.2%
Alarms: Visual and audible
RS-232: Standard on OS552, OS553 & OS554 models. One way communication. PC compatible software included.

SYN-FAB® INC

HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

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