

## Highly Reliable Retrofit Exhaust Gas Sensors for older frame 5, 6, 7 & 9



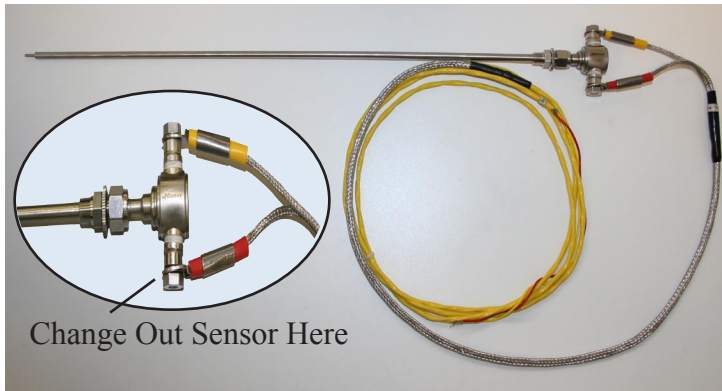
### When the sensor fails, only the sensor portion needs to be changed

If you have older GE Frame turbine we are offering improved replacement exhaust gas thermocouples that fit older radiation shields with base GE P/N's 351A3711, 238A7864, 219B6376, or 205B3060. This upgrade kit provides a longer lasting sensor that also features lower maintenance time at change out. There is no need to replace the existing radiation shields when using this upgraded exhaust gas sensor.

### Product Features and Benefits

- Superior quality
- Hermetically sealed for high accuracy and long life
- Simple quick installation saves time
- Talented technical support

### Install a sensor that has a separate cable and thermocouple



### Instead of replacing thermocouples that are routed like this:



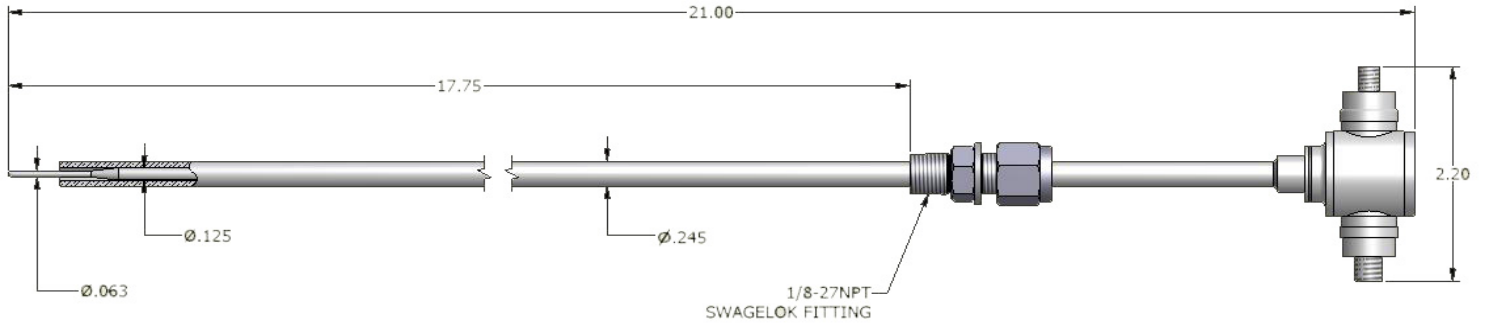
Cable assemblies that are purchased with this sensor may be manufactured to the customer desired length. Cables remain fixed in the Turbine hot box and only the sensor needs to be removed. Cable assemblies are made from 18 Awg stranded conductors with PFA insulation and are jacketed with Stainless Steel overbraid.

### Technical Sales Support

Whether you are upgrading or replacing your exhaust thermocouples, we can help you solve your problems. We can help you upgrade from from using the one piece design such as the 302A4010Pxxx or 351A3488Pxxx or if you just need to replace a 362A1102 exhaust gas thermocouple.

## Dimensional Features

## Model for Frame 6B Shown



## Specifications

### Calibration

- Type K, Chromel AlumeI®
- $\pm 0.4\%$  accuracy (special limits of error)
- Meets the requirements of ASTM E585 and ASTM E608

### Insulation Resistance:

- $1 \times 10^9$  ohms @ 50 VDC

### Time Response:

- 2.9 seconds

### Hermetic Seal:

- $1 \times 10^{-6}$  ssc/sec He for the entire thermocouple

### Sheath Diameter:

- 0.125" with a 0.245 Diameter oversheath

### Environmental Ranges:

- $-20^\circ$  to  $700^\circ\text{F}$  ( $-29^\circ$  to  $371^\circ\text{C}$ ) at the termination
- $-20^\circ$  to  $392^\circ\text{F}$  ( $-29^\circ$  to  $200^\circ\text{C}$ ) for the cable
- 100% humidity for the entire thermocouple

### Applications:

- Frame turbines

### Related Products

- Exhaust Gas Thermocouple – Model 362A1102
- Hermetic Exhaust Gas Thermocouple – Model 351A3488
- Hermetic Wheelspace Thermocouples – Model 361A2289
- Bearing Sensors
- Bearing Sensor Wire Seals
- RTDs/Thermocouples

### Also Available

- Radiation shields – Model 362A1344Pxxx; 351A3711 & others
- Mating cables – Model 361A2327Pxxx