



**NEW**

**RS Reuter-Stokes**  
a Baker Hughes business

## Reliable flame detection & monitoring in GE gas turbines

### Flame detection & monitoring in GE Heavy Duty frame and LM aeroderivative gas turbines

Many GE gas turbines currently in operation may still be equipped with Geiger-Muller based flame sensors. These LG1093AA/AC or L28490P05 flame sensors have restrictions in their lifetime expectancy and reliability. Reuter-Stokes solid state flame sensors have significant advantages over the classic Geiger-Muller alternatives, see the GT flame sensor comparison chart on the next page for details.

#### Reuter-Stokes benefits:

- ✓ OEM recommended
- ✓ Solid state technology
- ✓ Longer operating time
- ✓ Longer shelf time
- ✓ No high voltage required
- ✓ No water or air cooling required
- ✓ No explosion proof conduit required
- ✓ More quality & safety certifications
- ✓ Available for all GE HD and some LM GT engine types
- ✓ Attractive pricing level

#### About Reuter-Stokes

Reuter-Stokes (a Baker Hughes business) is an established OEM supplier of flame detection & monitoring solutions in gas turbines. Formerly known as GE Flame Sensors, Reuter-Stokes provides OEM recommended flame monitoring solutions to major gas turbine manufacturers like General Electric. VBR Turbine Partners is authorized distributor for all Reuter-Stokes gas turbine flame detection and monitoring products in Europe.




**Learn more about reliable flame detection?**

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**RS Reuter-Stokes**



**GT flame sensor comparison chart**

			
<b>Type of flame sensor</b>	<b>Honeywell LG1093AA / AC L28490P05</b>	<b>Reuter-Stokes RS-FS-9001/4/6</b>	<b>Reuter-Stokes FTD 325</b>
<b>Sensor type</b>	Geiger-Muller	solid state	solid state
<b>OEM recommended</b>	yes	yes	yes
<b>Operating time</b>	20.000 hrs.	25.000 hrs.	35.000 hrs.
<b>Shelf time</b>	2 years	unlimited	unlimited
<b>Required voltage</b>	high, ~350 VDC	low, 24 VDC nominal	low, 24 VDC nominal
<b>Required cooling</b>	water or air	water or air	no cooling required
<b>Maximum temperature</b>	sensor: 177°C amplifier: 55°C	water: 235°C air: 150°C	air: 325°C
<b>Explosion proof conduit necessary</b>	yes	no	no
<b>Conversion kit required</b>	no	yes, available	yes, available
<b>Comparative price level</b>	€ € €	€	€ €
<b>Certifications</b>	1. ATEX Exna or Exd IIA/C T3, FM Class 1 Div 1 Group B/C/D, CE, EMC, UL, CSA. .	Ex-ec IIC T3 or Ex-ia IIB T3, FM Class 1 Div 2 Group A/B/C/D/ or Class 1 Div 1 Group C/D, IECEx, CE, EMC, SIL, TR/CU, KC-Ex, CCE, NEPSI, INMET-RO, UAE Ex.	Ex-ec IIC T3 or Ex-ia IIB T3, FM Class 1 Div 2 Group A/B/C/D/ or Class 1 Div 1 Group C/D, IECEx, CE, EMC, SIL, TR/CU, KC-Ex, CCE, NEPSI, INMET-RO, UAE Ex.
<b>Applicable for</b>	heavy duty & aeroderivative LM gas turbines		

Improve reliability and save costs



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