Flame Tracker Kit

Product Description
- The Silicon Carbide (SiC) Photodiode in the GE Reuter-Stokes Silicon Carbide flame sensor has high sensitivity to the longer UV wave length (up to 310nm) that easily penetrates the fog of fuel and steam.
- GE’s Silicon Carbide Flame Tracker system is a customized conversion kit that is mechanically and electrically interchangeable with the existing systems, which simplifies upgrading older, maintenance-intensive systems.
- The Silicon Carbide (SiC) photodiode has an analog output with very wide dynamic range and rapid response time, these features offer the ability to quick—in less than 25mS—track flame dynamics, including flameout, this means interruption-free service and improved availability.

Customer Value
- Dramatically improves gas turbine performance.
- Mechanically and electrically interchangeable with any existing system.
- Applicable with all land-based and marine-based gas turbines, regardless of size.
- Eliminates signal flicker.
- Meets all NFPA guidelines for flame detection on gas turbines.
- Allows full operation during water wash cycle.
- Significantly reduces maintenance since quick disconnect connectors are used.
- Provides reliable operation when using any fuel—with or without steam injection.
- Requires low voltage, which eliminates special wiring and explosion-proof conduit requirements.
- Its improved sensor-cooling feature minimizes the impact of surrounding heat and extends the life of electronics.

Applicable Units

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<tr>
<td>LMS100</td>
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*Interface available for LM1600 from CM&U team

Note:
Although UV flame sensors will no longer be required for all LM6000PC and DLE packages due to a new method for evaluating flameout detection is done by advanced algorithms in control software included in S5 software block change, the flame detectors will be required on gas fired LM engines at least for applications in Holland, as a request by Gas Unie or National Gas supply company.