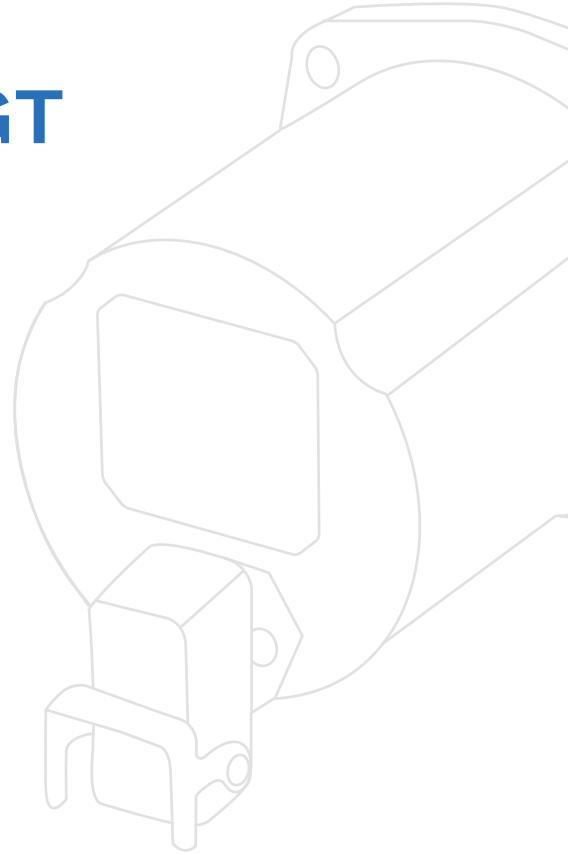




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Product Information

FLAME SCANNER 2.0GT



- failsafe design
- suitable for continuous operation
- use at ambient temperatures from -40 °C to +85 °C
(optional fiber optic insert up to 300 °C)
- approved according to international standards
- protection class IP65
- IECEx-certified

1 | Design

The Flame Scanner 2.0GT forms a complete flame monitoring system in combination with a flame amplifier of the 3000 series. The flame monitoring and evaluation system 3000 was developed under the aspects of safety and optimal availability of gas turbines.

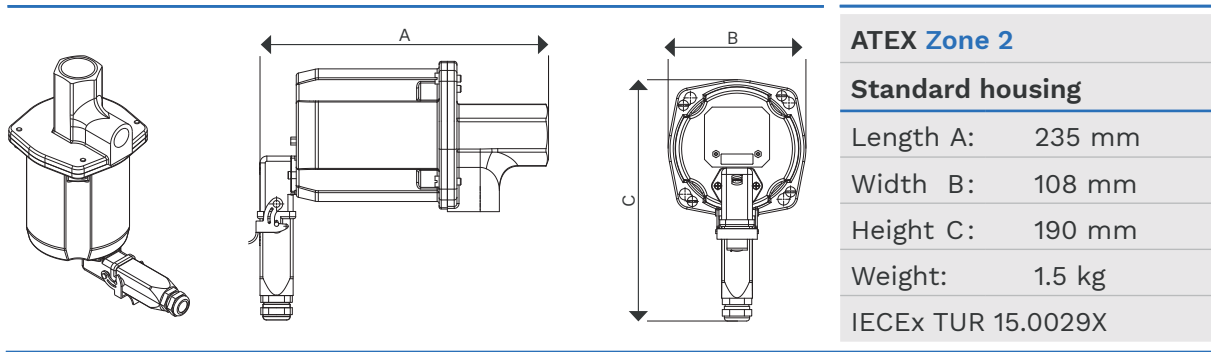
Our goals are to monitor gas turbines safely and reliably, to provide criteria for optimizing the incineration process and to reduce pollutant emissions. The system is able to monitoring gas turbine flames in all load conditions and fuel compositions.

2 | Customer benefits and usage

- self monitoring to control fault free function
- selective monitoring of gas and oil firing systems
- two separately adjustable spectral ranges
- dual sensor Si and PbS
- separately adjustable sensitivity of Si and PbS sensor
- fully electronic design
- vibration-proof design

3 | Housing versions

The Flame Scanner 2.0GT is available in standard housing for direct installation on gas turbines.



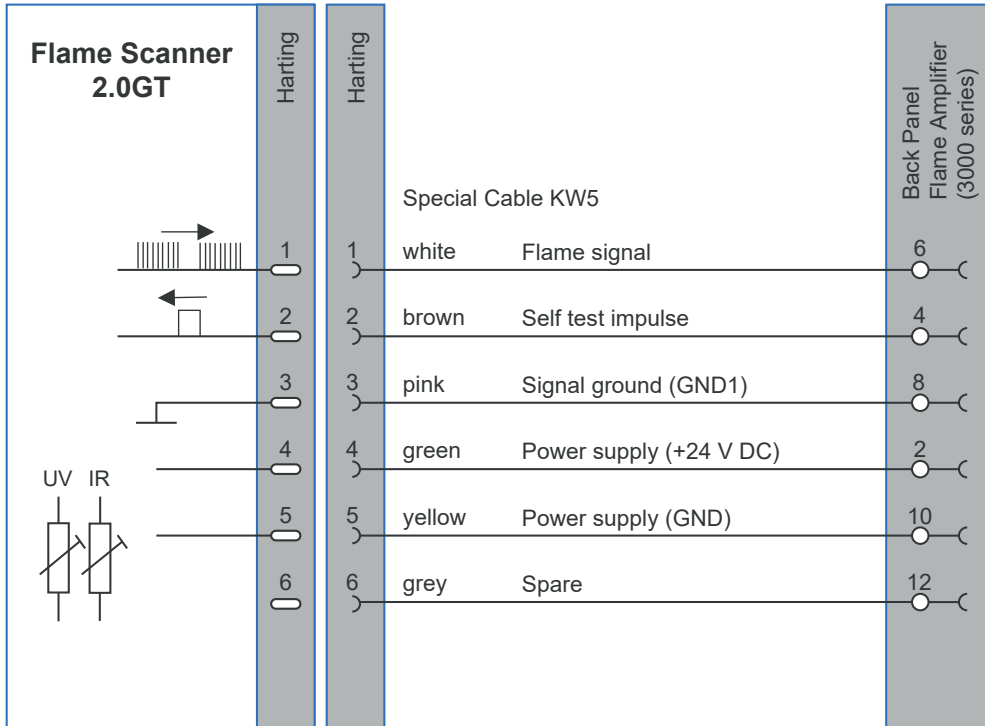
4 | Technical data

Spectral sensitivities	combination of UV + IR (300 nm to 2700 nm)
Power supply	24 V DC
Current consumption	max. 200 mA each Flame Scanner
Self checking	fully electronic, once per second
Angle of view	2.7°
Sight port connection	G 1" female thread
Purge air connection	G 1/2" female thread

ATEX Zone 2

ATEX Marking	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T100°C Dc
Ambient temperature	-40 °C to +85 °C
Type of protection	IP65

5 | Connection diagram



6 | Part number

Type	Part number
Flame Scanner 2.0GT	6010-2051-00



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All data are without guarantee and refer to the product group. Product-specific information is contained in the operating instructions. We reserve the right to make technical changes. | © BFI Automation Mindermann GmbH 2023/09

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