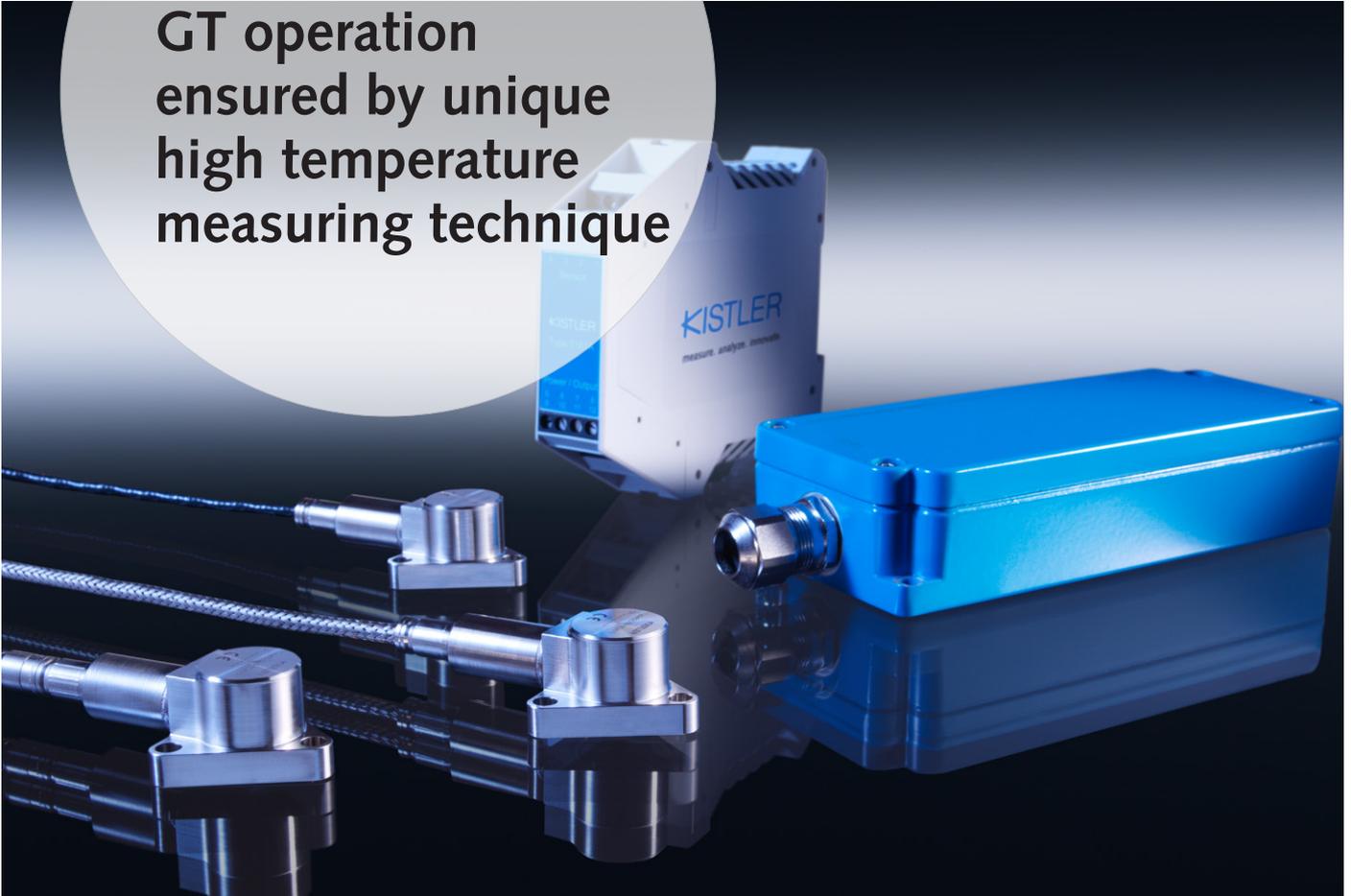


**Safe and reliable  
GT operation  
ensured by unique  
high temperature  
measuring technique**



## **Kistler's high temperature accelerometers identify vibration anomalies**

**High temperature vibration monitoring for combustion dynamics, engine balance and exhaust systems depend on unique sensor performance to achieve safe, reliable and efficient operation.**

Kistler's high temperature accelerometers help identify vibration anomalies in demanding airborne and stationary turbine as well as in compressor applications.

# Description

The sensor features a shear design, which significantly reduces the influence of temperature and base strain. Other features are a high frequency response and a hermetic construction of the housing.

The sensor provides a differential signal output and features an internally case isolated design. It is available without cable in a connector version, or alternatively, equipped with a shielded low noise, AWG 22, twisted pair high temperature integral cable with standard lengths up to 20 meters and different cable protection systems to suit various applications.

- Temperature range -55 ... 260°C
- Sensitivity 20, 50 and 100 pC/g
- Differential output
- Frequency response 1 Hz ... 10kHz ( $\pm 10\%$ )
- Hermetically welded construction
- Ex-certification for use in potentially explosive environment
- Integrated cable version with specific degree of protection
- ARNIC 3-point fixation
- EMI resistant measuring chain

## Overview of sensor types

Type	Electrical shielding	Mechanical protection	Handling	Ingress protection of sensor including cable
 <p>• without extra protection</p>	sufficient	sufficient	very good	IP54
 <p>• with steel overbraid</p>	very good	good	good	IP54
 <p>• with spiral metal hose</p>	good	very good	good	IP54
 <p>• with hermetically sealed metal hose</p>	good	very good	good	IP68*

\* Hermetically sealed, pressure resistant up to 25 bar

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measure. analyze. innovate.