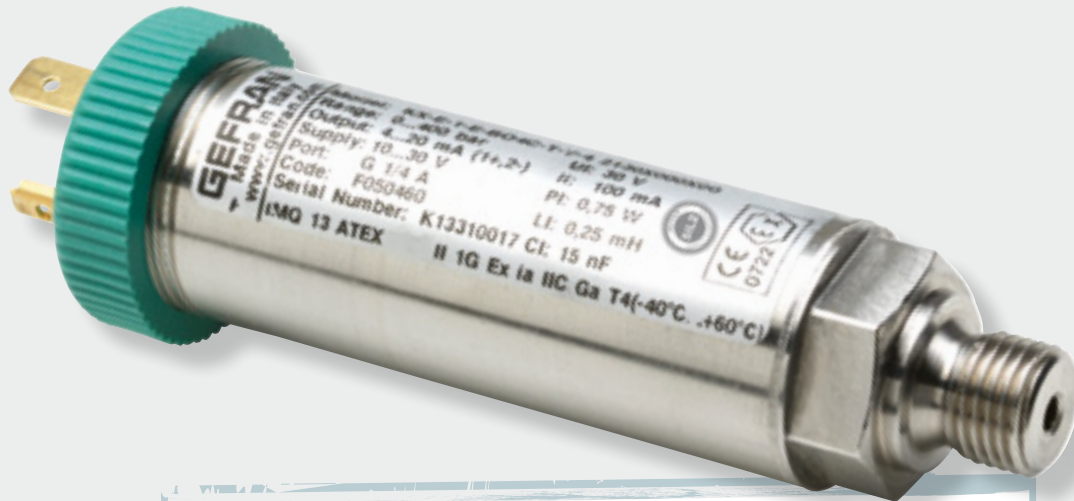




KX SERIES

NEW INTRINSIC SAFETY PRESSURE TRANSMITTER



- ✓ Safe (ATEX and SIL2 Certifications)
- ✓ Strong
- ✓ Versatile

Gefran introduces the KX intrinsic safety series, a new family of fluid-free pressure transmitters with thick film on stainless steel.

ATEX certification allows the transmitter to be used in potentially explosive atmospheres (Intrinsic Safety).

SIL2 certification allows the transmitter to be used in safety related control systems (SRECS) of plants and machinery (Functional Safety).





KX SERIES

NEW INTRINSIC SAFETY PRESSURE TRANSMITTER

> THE KX SERIES ENSURES

Safety

- ▶ Safety in machinery and plants is a fundamental requirement: the new KX combines ATEX certification for applications in potentially explosive atmospheres with SIL2 certification for functional safety applications (Safety of machinery).
- ▶ Intrinsic Safety is guaranteed by ATEX certification in compliance with Directive 94/9/CE for Group II Category 1, explosive atmosphere with the presence of gases, vapors, mists or dusts (G) with protection method: II 1G Ex ia IIC T6/T5/T4.
- ▶ Functional Safety is guaranteed by SIL2 certification in compliance with IEC/EN 62061, which implements European Machinery Directive 2006/42/CE.

Strength

- ▶ KX transmitters have an all stainless steel structure, guaranteeing maximum resistance to vibration, mechanical

stress and shock, as well as excellent EMC protection against electromagnetic and electrical interferences.

Reliability

- ▶ The fluid free solution without internal O-rings, plus a solid stainless steel diaphragm, make the KX extremely reliable and compatible with most fluids and gases, even if aggressive.

Versatility

- ▶ The KX offers many advantages in the field on machinery and plants, especially for compressors and methane distribution systems and Oil & Gas in general: versatility thanks to dual certification (IS and SIL2), with a compact and competitively priced product, available up to 1000 bar full scale.

> A VERSATILE TRANSMITTER WITH INTRINSIC SAFETY

- ▶ Measurement range: from ± 1 bar to 0 ... 1000 bar
- ▶ Accuracy: $\pm 0.15\%$ BFSL typical
- ▶ SIL2 Certification: TÜV Rheinland
- ▶ MTTF 145.62 years
- ▶ Temperature coefficient: $\pm 0.01\%$ FS/°C
- ▶ Working temperature: -40 to 125°C
- ▶ ATEX certification: II 1G Ex ia IIC T6/T5/T4 (-40°C)
- ▶ Dimensions: \varnothing 26.5 x 116 mm; Weight approx. 110 g.



For more information on the KX and its applications, contact us or visit www.gefran.com



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