



Sensorex®

## Rugged LVDT with guide & swivel joints CER (integration of SX12K SI)



CER sensors, which can be used in explosive atmosphere, associate an (IS) SX12K sensor with a sealed housing and a shaft bearing.

The device can be fixed with a ball and socket joint.

These CER sensors have a 5 meter or 10 meter cable output.

They are AC/AC sensors; they should be connected to intrinsically safe signal conditioner reference 690 210 279.

They can be used :

- In surface industries
- In permanent presence of gaseous or dusty explosive atmosphere
- With the gas listed in subdivisions IIA, IIB, IIC

### Utilization range

- Electrical :  
Power supply: 2.2Vrms  $\pm 20\%$   
/ 3500Hz  $\pm 10\%$
- Pressure :  
The maximum static pressure is 250 bar
- Operating and storage temperatures:  
-25°C / +125°C for standard version  
-40°C / +200°C for HT version

### Applications

- Valve position measurement
- Servo-actuator position feedback
- Fire system remote control
- Steam turbine servo-valve control
- Vapocracker valve control

Meggitt Sensing Systems

Our measurement product competencies:  
LVDTs | Inertial systems | Inclinometers | Accelerometers | IMU |  
MEMS sensors | Servo-inclinometer | Conditioners

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smart engineering for  
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## General specifications at +25°C

Integrating (IS) SX12K sensors, CER sensors have the same general specification at 25°C.  
So, refer to the (IS) SX12K general specifications and marking details.

## Selection guide

Stroke (mm)	Version (*)	Cable length (m)	Product reference	SX12K sensor integration ref.
±30mm	/	5	690100322	690100025
±50mm	/	5	690100562	690100437
±75mm	HT	10	690100534	690100535
±150mm	HT	5	690100387	690100108
±150mm	/	10	690100323	690100112
(*) HT: <200°C High temperature				

## Contact

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