SUPREME SENSORING

Linear displacement transducer tested with radioactive radiation Model IW25-A163 Interface: analogue

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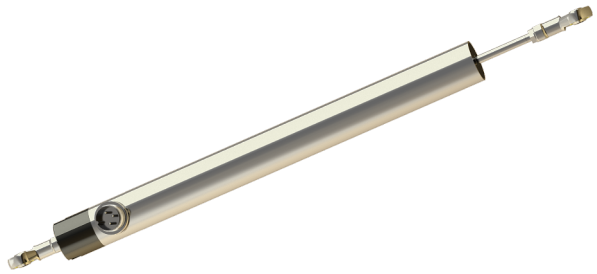

- **Inductive measuring principle**
- **Special version tested in radioactive area**
- **Based on model IW250 (see data sheet IW10225)**

KEY INFORMATION OVERVIEW

DESIGN & FUNCTION

The displacement transducer IW250-A163 is a special version of the model IW250 which was tested with radioactive radiation. All parameters are equal to the values of the model IW250 which is described in the data sheet IW10225.

FEATURES

Version tested with radioactive radiation:
Total dose 1,008 Gy (3,0 Gy/h for 14 days), Co60 (γ-radiation)
The signal changed max. 3 % over the whole irradiation.

ORDER CODE FORMAT (EXPLANATION OF THE PARAMETERS SEE DATASHEET IW10225)

IW	253	/ 100	- 0,25	- KFN	- KHN	- PKS1	- A163

IW	Inductive linear displacement transducer		
253	Voltage output and sense	251 252 253 254 255 256 25A 25B	Output 0 to 20 mA, increasing Output 0 to 20 mA, decreasing Output 4 to 20 mA, increasing Output 4 to 20 mA, decreasing Output ± 10 VDC, increasing Output ± 10 VDC, decreasing Output 0 to 10 VDC, increasing Output 0 to 10 VDC, decreasing
100	Measuring stroke	20 40 100 200	Measuring stroke in mm
0,25	Accuracy	0,1 0,25 0,5	0.1 % 0.25 % 0.5 % (Additional variance possible due to irradition, see above)
KFN	Ball joint (front)	KV KFN T	Ball joint on plunger, without guide Ball joint on plunger, with guide Gauge for 20, 40 and 100 mm (Versions without gauge or ball joint at front: leave blank)
KHN	Ball joint (back)	KHN	Ball joint on case (Versions without ball joint at back: leave blank)
PKS1	Cable	PKSx	Cable output (x: length in m, e. g. 1 = 1 m) (Versions with plug M16: leave blank)
A163	Electrical and mechanical variant	163	Variant tested with radioactive radiation