

Position Transducers Linotast, induktive

Series F 200 g



Special features

- very good linearity, Standard ±0,1 ... ±0,3 %
 with connetor, protection class IP 67 (only with EEM 33-70)
- reverse voltage protectionbult-in hybrid electronic circuitry
- DC power supply, DC output
- almost infinite resolution good temperature constancy

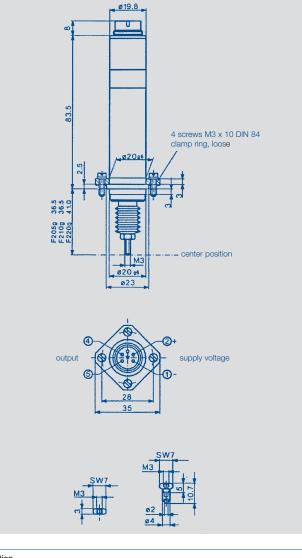
The inductive position transducer series F 200 converts small rectilinear displacements into electrical analogue signals by means of a differential transformer with a movable core.

The core is mounted on a pushrod wich may be pressed by a built-in spring against the object to be measured, or rigidly connected to the object.

The transducer is supplied with a DC voltage. A built-in oscillator provides an AC voltage to supply the diffential transformer.

The secondary voltages of the transformer are rectified by a demodulator which is also built-in. The oscillator and the demodulator are hybrid circuits.

The DC output voltage is strictly proportional to the displacement of the core and, therefore, to the displacement to be measured. The electrical zero is in the middle of the useful stroke of the pushrod.



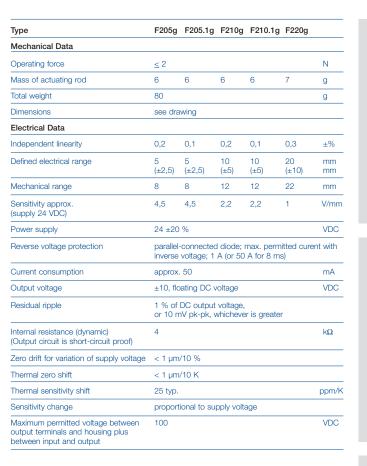
Description		
Housing	black anodized aluminium	
Actuating rod	antimagnetic stainless steel; a pre-stressed helical spring presses the pushrod outwords against the stop	
Bearing	maintenance-free plasstic sleeves, pushrod passage dust-proofed by bellows	
Fixing	centering pilot, collar and clamp flange	
Electrical connections	5-pin connector (see accessoreis) protection class depending on connector type	
Electronic	potted hybrid circuits	

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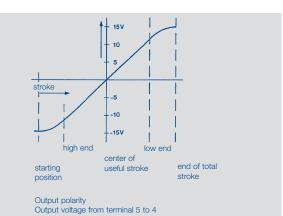
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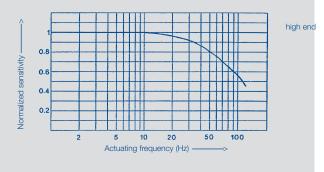
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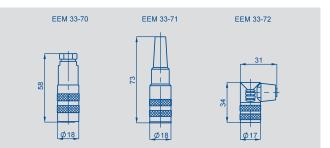
Environmental Data

Temperature	-30 +70	°C
Acceleration	10 g in all directions	
Humidity	Transducer is insensitive against humidity, water wetting, grinding oil and coolant	
Order designations		
Туре	ArtNo.	
F 205 g	005303	
F 205.1 g	005304	
F 210 g	005323	
F 210.1 g	005324	
F 220 g	005325	





Frequency response of sensitivity



Included in delivery

Screw-on probe with hardalloy ball-point and stainless steel locknut. Allows frictionlocked connection between gauging pin and measuring object.

Connecting ring with unloseable screws.

Recommended accessories

Connector EEM 30-70 protection class IP 67, Art.Nr. 005611, Connector EEM 33-71 protection class IP 40 Art.Nr. 005612, Angled connector EEM 33-72 protection class IP 40 Art.Nr. 005613