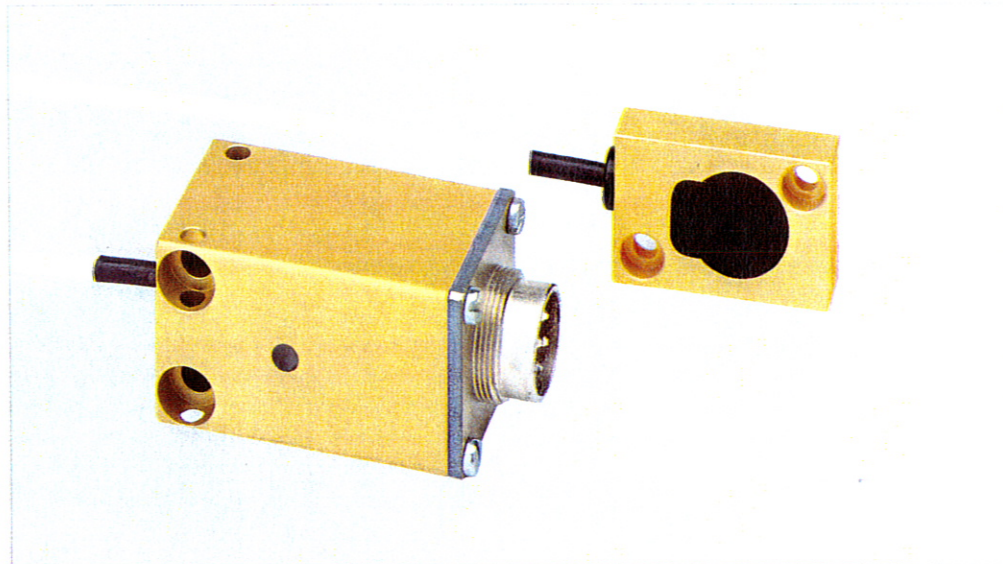


# High-resolution, extremely flat

## Eddy Current Sensor



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### Technical Features

- High measuring accuracy / measuring speed
- Standardized output signal for measured section with 0... 10V
- Temperature stable
- Insensitive to oil mist
- Contactless measuring method
- Easy to assemble
- Flush installation
- Sensors can be replaced without having to be realigned
- Sturdy and compact design
- Oil-resistant connecting cable
- Suitable for all telemetric applications

### Application

The eddy current sensor has a strictly linear measuring range and can therefore be used for all different kinds of sensing tasks, e.g. for highly precise distance measurement against steel, at high measuring speeds. This also includes double-sheet monitoring on punching tools.

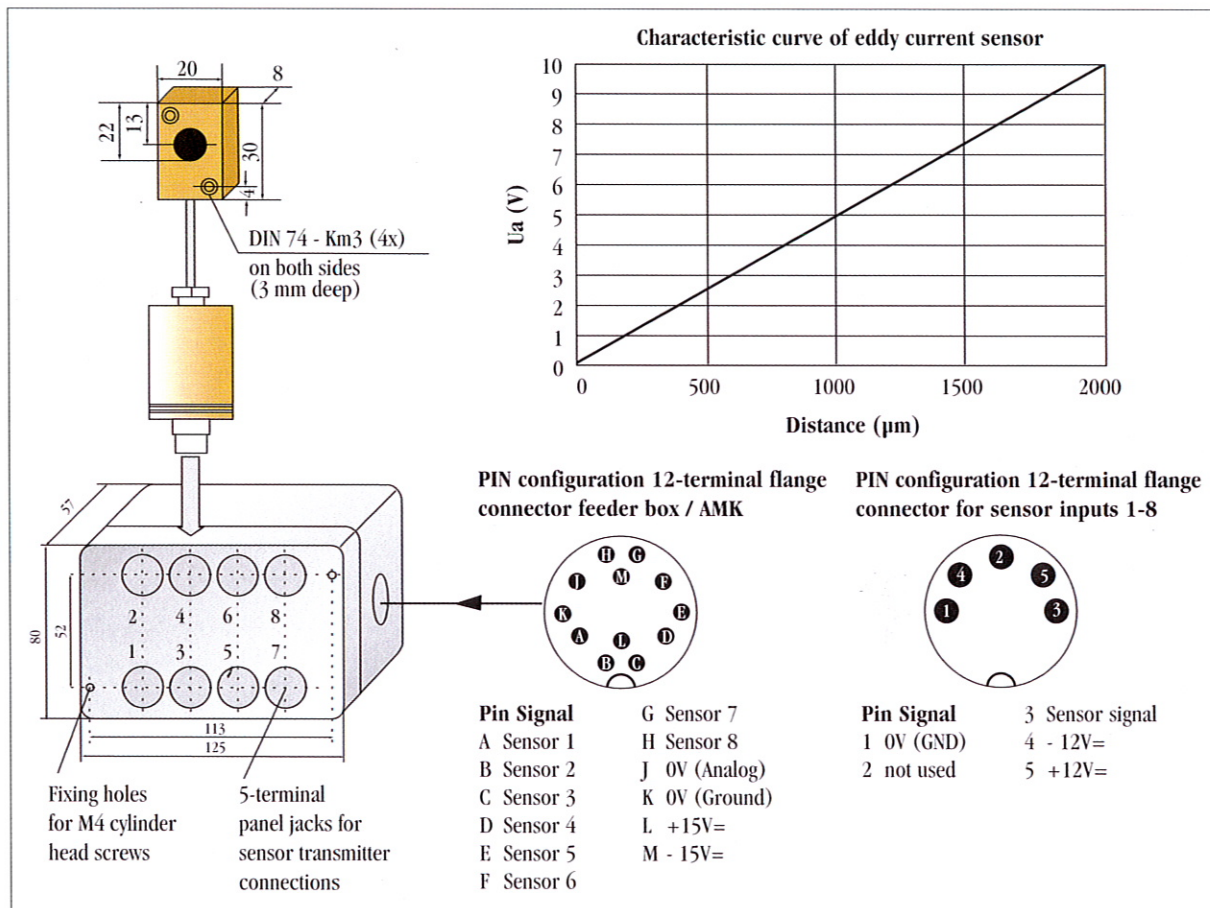
The measured section is made up of eddy current sensor, oscillator and amplifier. The analog output signal from 0 to 10 V DC is proportional to the measuring distance.

All kinds of different measuring tasks in the automation industry, positioning technology, process measurement technology and other applications can be solved with this extremely flat sensor.

# Eddy Current Sensor

<b>Technical Data</b>	Power supply:	+15 / -15 VDC
	Current consumption:	max. 0.5 A (amplifier including 8 sensors)
	Operating temperature:	10 - 70 °C
	Temperature variation:	0.054 % / °C
	Measuring range:	2 mm
	Linearity / Resolution:	+/- 1 % of measuring range / 1 µm
	Size of measured object:	Min. 20 mm x 20 mm (with steel)

## Dimensions



<b>Ordering Information</b>	<b>WSD</b>	501003010000	<b>Eddy current sensor</b> for analog path measurement with connector cable, length = 0.5 m and terminal block with integrated electronics
	<b>ZT 213/12/8</b>	642080010000	Eddy current sensor collector jack with evaluation electronics, eightfold, sensor connection 5-terminal jack
	<b>WZ KAB SAPS</b>	641085710100	Connector cable collector jack with evaluation electronics, 12-terminal jack/48-terminal flange plug, cable length = 10 m
	<b>WS KAB OS</b>	641085700015	Connector cable pre-amp oscillator / collector jack, length = 1.5 m (7-terminal jack / 5-terminal pin)