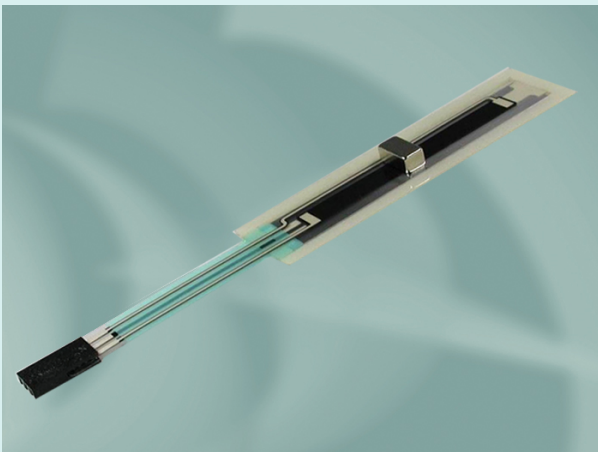


## Installation Instruction

### MMP contactless magnetic foil sensor linear



#### Operational Description

Advanced development of already approved Meta-Pot foil sensor product range. An integrated ferro-magnetic carrier matrix is driven by a permanent magnet.

#### Features

- magnetic contactless coupling
- flat design
- IP 65, except for electr. connection
- long life time

#### Applications

- Position sensing, e. g. in a cylinder
- Servo-systems
- Industrial applications
- Automotive

#### Metallux AG

Daimlerstr. 18  
D-71404 Korb

Tel: +49 (0) 7151 / 939 35-0

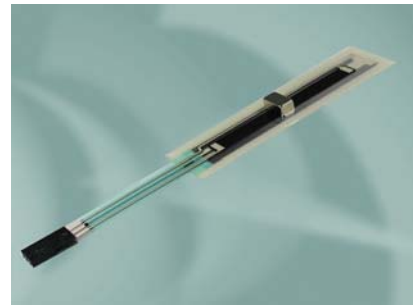
Fax +49 (0) 7151 / 939 35-3

[www.metallux.de](http://www.metallux.de)

[info@metallux.de](mailto:info@metallux.de)

# Installation Instruction

## MMP contactless magnetic foil sensor - linear



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technology matters

### Surface preparation

The surface, where the MMP is going to be installed, needs to be free of humidity, oils, greases and dust. Temperature fluctuations between MMP and carrier should be avoided. Furthermore, the surface needs to be level to ensure an acceptable installation and function. To clean the carrier surface various cleaning agents like Isopropanol, ethylacetat or MEK can be used depending which kind of carrier material has been used.

### Materials

The adhesive foil, which has been applied onto the MMP, will adhere to many level and even surfaces like:

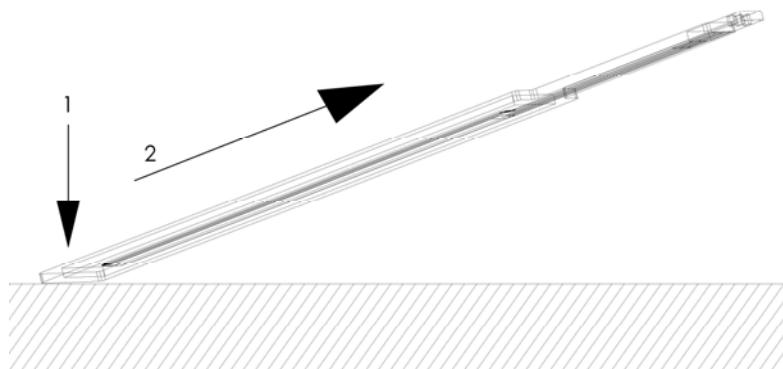
- Zinc
- PC
- Alu
- ABS
- Copper
- PVC

### Installation MMP

Remove the cover foil of the adhesive foil and align MMP into the required position. Take care that sensor is not deformed (bending or twisting).

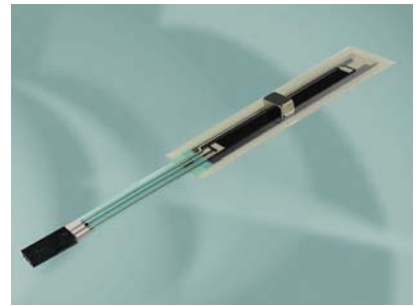
Slightly push MMP at one side down (refer to point 1 of drawing).

Now, with even pressure, carefully run over the MMP and avoid forming of air bubbles (refer to point 2 of drawing).



# Installation Instruction

## MMP contactless magnetic foil sensor - linear

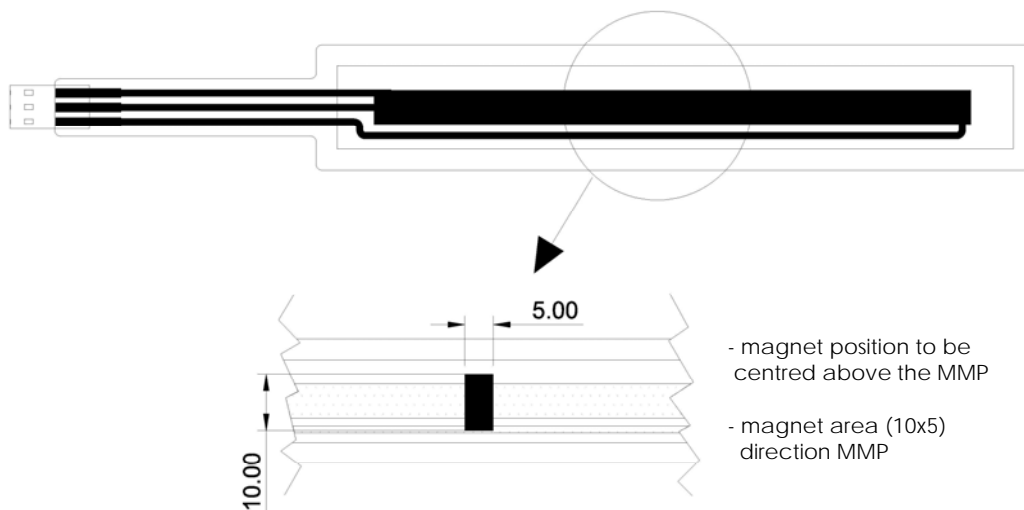


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technology matters

### Installation magnet

To ensure efficient operation of the MMP, it is important to follow the instructions as described.



To achieve an acceptable signal, it is important to run the magnet centred above the MMP. The adhesive side of the foil serves also as the magnet side; meaning: where the magnet is running. The distance between magnet and MMP surface should be  $< 2,0\text{mm}$ . The mounting of the magnet should be solid and durable. It is possible to glue or encapsulate the magnet.

