



# SERIES 2062 – 3D-LOAD / IMBALANCE SENSOR



## ADVANTAGE

- Suitable for household appliances**
- Simple mounting**
- High accuracy**
- Integrated real time measurement**
- High endurance**
- Easy to integrate into existing system**
- Numerous versions**

## PRODUCT FEATURES

- Measurement of drum position in different operating situations
- No mechanical connection between magnet and sensor
- Precision load and imbalance measurement by detection of all three dimensions
- Fast and simultaneous detection of all three dimensions
- No wear
- Efficient linking via digital interface (I<sup>2</sup>C)
- Universally usable, different assembly geometries

## EXAMPLES OF APPLICATION

- Washing machines
- Tumble dryers

Measuring ranges	
→ x-direction	± 25 mm
→ y-direction	± 25 mm
→ z-direction	15 mm – 45 mm (Minimum distance to sensor)
Resolution	0.05 – 0.2 mm depending on measuring speed typ.
Measuring accuracy in adjusted system	
→ x-direction	0.75 mm – 2 mm
→ y-direction	0.75 mm – 2 mm
→ z-direction	0.75 mm – 2 mm
Power supply	5 V min.
Current consumption typ.	40 mA
Measuring speed	Min. 15 ms (for 3 coordinates)
Output signal	I <sup>2</sup> C



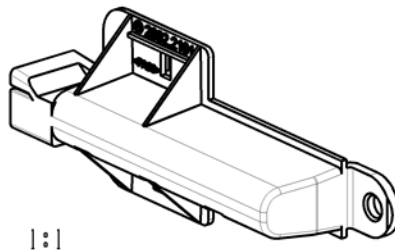
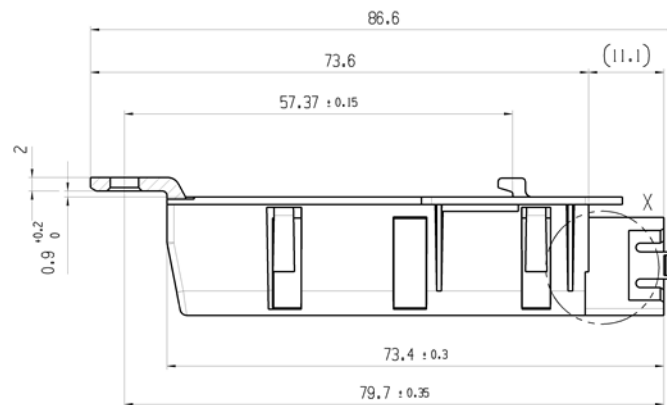
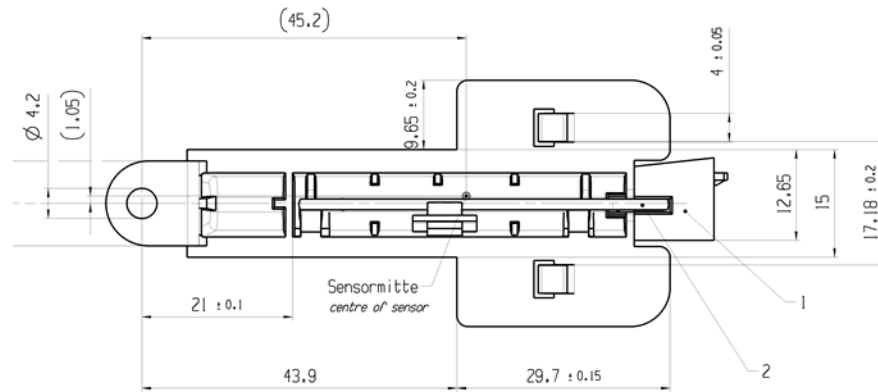
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## VARIANTS

Different versions are available on request.

## DRAWINGS

(Dimensions in mm)



1:1



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