MAXCESS®

FIFE

SE-37A Sensor

A MAXCESS BRAND



The SE-37A edge sensor uses ultrasound and is completely insensitive to ambient light. Due to its compact size, the sensor is the ideal solution for most web material applications.

The sensor measures the lateral position of the web material. The proportional band allows for high control accuracy. The SE-37A is often used in pairs for centre guiding.

The sensor can be used for both opaque and transparent materials.
For acoustically permeable materials, the sensor can be set to the material using the button on the housing to ensure precision.

An integrated LED display provides information directly on the sensor about the position of the web edge in the sensor field of view.

Thanks to its IP65 protection class, the SE-37A can also be used in environments where there is a risk of splashing and/or condensation.

General Specifications

Proportional Band
40 mm

Source
Ultrasonic
310 kHz

Weight
280 g

Operating Temperature
5 ° - 60 °C

Power Supply
10 V - 30 V DC, 80 mA

Resolution
0.01 mm

Repeatability
+/- 0.1 mm

Output Signal
0 - 10 mA
RL ≤ 100 Ω

Linearity Deviation
+/- 1.1 %

Temperature Variation
+/- 2.5 % at 5 ° - 60 °C ambient temperature

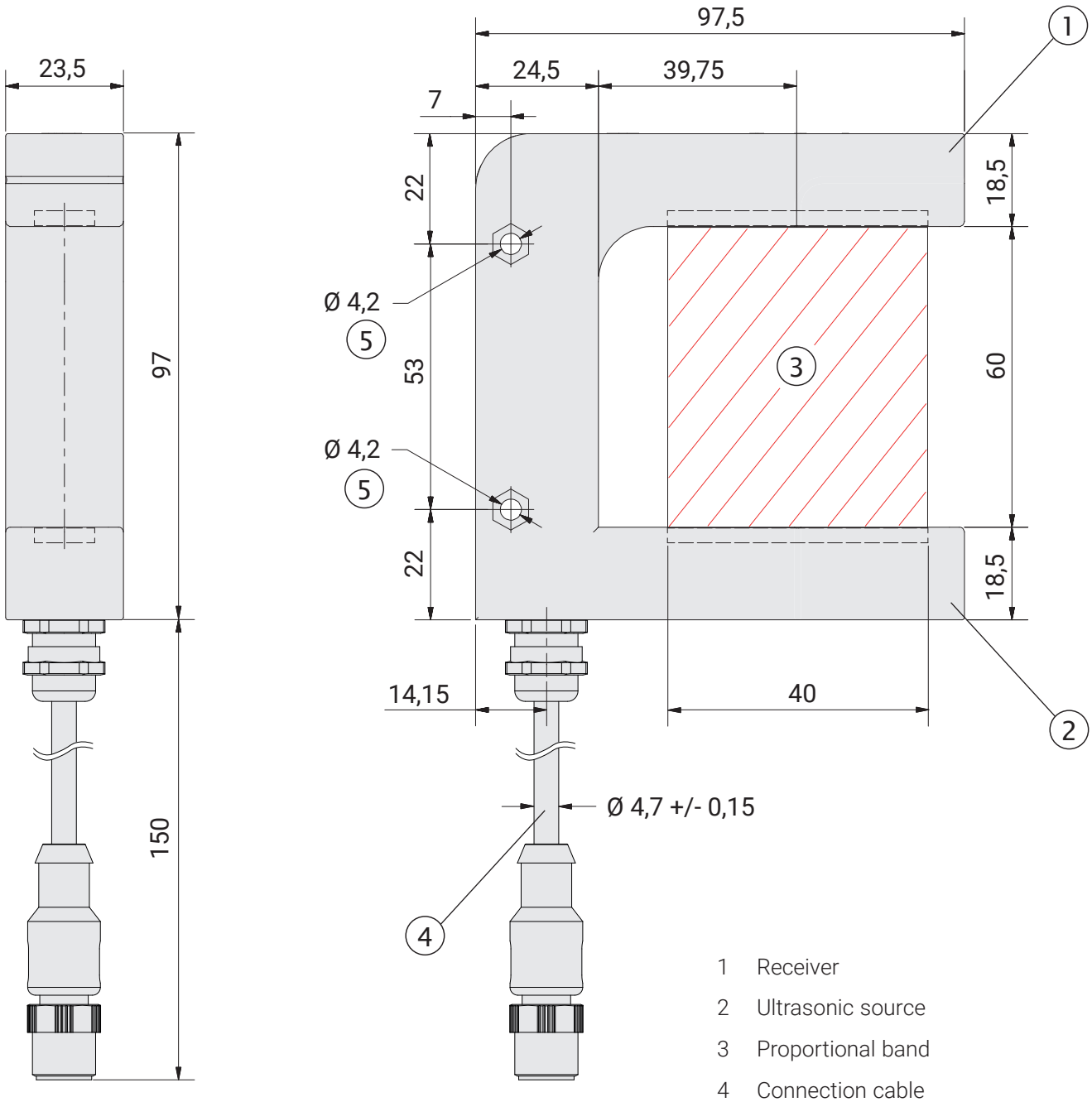
Protection Class
IP65

Key Features

- **Insensitive to ambient light**
- **Insensitive to electrostatic discharge**
- **Temperature stabilized**
- **Protection class IP65 for use in harsh environments**
- **Low power consumption**
- **Light-sensitive materials are not affected**
- **Suitable for thin and clear films or foils**
- **Can be used in both new web guiding systems and retrofitting existing systems**
- **Quick and stable mounting thanks to a variety of mounting brackets and sensor positioners**
- **Compatible with Fife web guide processors such as D-MAXE and DP-20 Plus**

SE-37A Sensor

DIMENSIONS



Dimensions shown in mm.

1 Receiver
2 Ultrasonic source
3 Proportional band
4 Connection cable
5 Mounting hole for M4 screws

Global HQ & Americas
+1-844-MAXCESS
sales@maxcessintl.com

Maxcess Europe HQ
Fife-Tidland GmbH
+49 6195 7002 - 0
sales@maxcess.eu

Maxcess Germany
RotoMetrics Deutschland GmbH
+49 6134 7262 - 0
sales@rotometrics.de

Web
maxcess.com

Shop
mymaxcess.eu
myroto.com

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