

SP SERIES FLAT SENSORS

Altech SP Series Flat Sensors are used on conveyor belts and chutes to detect all types of metal in the material being handled. They are used for quality checks and machine protection. Other applications include counting of objects and completeness checks.



Features

- Various Width available
- No Metal Free Zones necessary
- Stable and Shock proof Aluminum housing
- IP65
- Sensitivity adjustable via control unit

Technical Specifications

Electrical/ Supply Data	see Control Unit (Page 16)
Connection	2m PVC cable (other on request)
Housing Material	Aluminum
Active Surface	Polyurethane
Dimensions	Width x 210 x 60.5mm
Length	150..1200mm

Environmental Data

Operating Temperature	0°C..+50°C
Storage Temperature	-10°C..+50°C
Protection Class	IP65

Control Unit (Page 16)

1-Channel	8349005010/ 8349005012
10-Channel	8349005000/ 8349005001

Sensitivity

Fe Plate 30x30x1mm	95mm
Fe Plate 12x12x1mm	68mm
Nut M6	56mm
Nut M4	44mm
Nut M2.5	33mm
Fe Ball 7mm	44mm
Fe Ball 3mm	20mm
Fe Ball 2mm	8mm

*Sensitivity show max. distance between sensor and target.

ORDERING INFORMATION

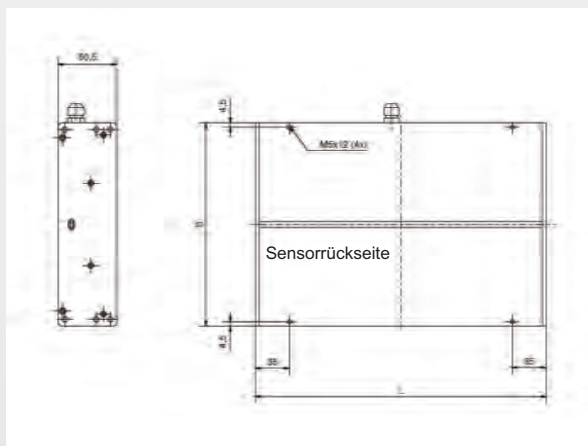
Width	Part No.
150mm	AMD-SP150
200mm	AMD-SP200
250mm	AMD-SP250
300mm	AMD-SP300
350mm	AMD-SP350
400mm	AMD-SP400
450mm	AMD-SP450
500mm	AMD-SP500
XXXmm	AMD-SPXXX

The Flat Sensor has a Dynamic working principle which allows it to detect moving metal objects. Non-moving objects will not be detected. However the dynamic principle allows it to operate with a much higher sensitivity. Even small metal targets can be detected. The control unit is necessary for analysis of the sensor signal and it is power supply at the same time.

Standard Flat Sensors are available in steps of 50mm, any other length on request. Max. Length is 1200mm.

Dimensions

SP-Series 150-350mm length



Dimensions SP-Series 350-1200mm length

