

WIDE BAND INFRARED SENSOR



The DSE-17 is a digital wide proportional band infrared sensor. The sensor is most suitable for applications where opacity or density variations may occur, such as tissue, non-woven, textile, paper, foil, and for many opaque films. It can track up to 4 independent web edges simultaneously.

When web width variations exist, the wide proportional band of the DSE-17 sensor eliminates the need for the manual repositioning of the sensor.

Thanks to its IP65 rating, the DSE-17 can be installed even in the presence of water spray or condensation. The digital technique is immune to higher levels of contamination, compared with traditional analog sensors. The contamination of the sensor acrylic window can be monitored via a proportional analog output signal. An air sweep system is available as an option. In addition the DSE-17 sensor is protected against the influence of ambient light.



GENERAL SPECIFICATIONS

Sensor Field of View

160mm / 300mm / 420 mm

Light Source

Infrared light

Wave length: 850nm

Window Material

Acrylic (PMMA)

Operating Temperature

10° - 60° C (50° - 140° F)

Protection Class

IP65

Weight

900g / 1480g / 2900 g

Power Supply

+10V - +28V

Output Signal0 - 10 mA,
4 - 20 mA optional**Linearity**

Error less than 1%

Plane Change

0.5% maximum error

Temperature Drift0.5% maximum error
(between 10° C - 50° C,
50° - 140° F)**Cable Length**Standard: up to 15 m (49 ft)
Optional: up to 40 m (131 ft)

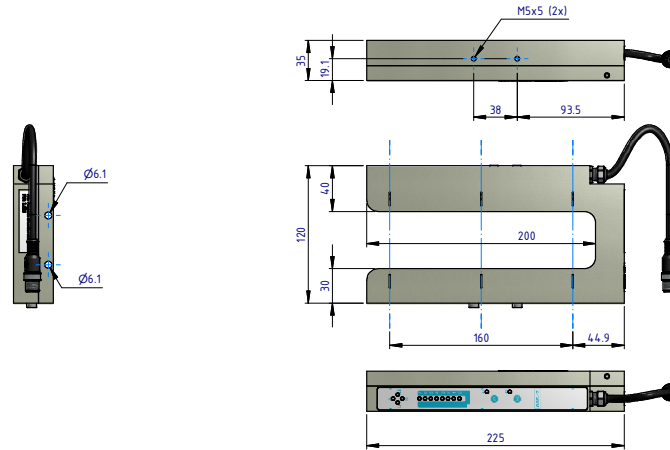
KEY FEATURES

- Wide proportional band reduces manual sensor repositioning
- Tracks up to 4 independent web edges simultaneously
- Features a contamination monitoring analog signal
- Optional air sweep available
- No opacity set-up required
- Immune to web plane changes
- Protected against ambient light
- Displays the edge position and the self- diagnostic results through the built-in LED display
- Allows small distance to machine frame
- Can be connected to all available Fife web guide controllers

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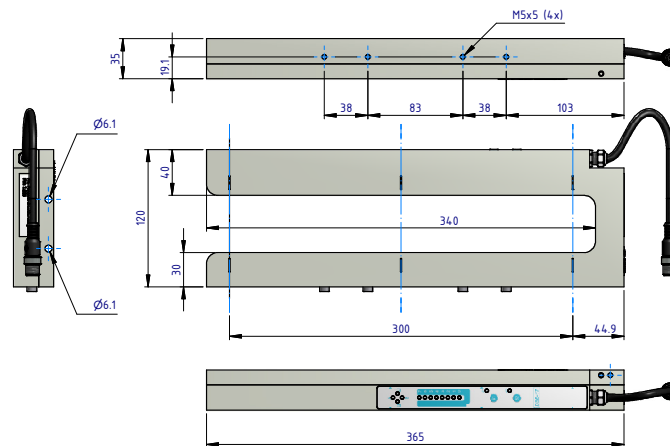
DSE-17-160 DIMENSIONS

Dimension shown in mm



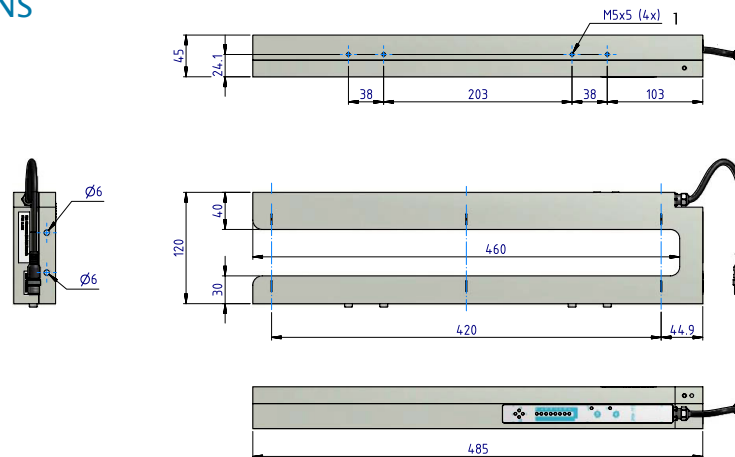
DSE-17-300 DIMENSIONS

Dimension shown in mm



DSE-17-420 DIMENSIONS

Dimension shown in mm



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