



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 IP-65 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:**  
160 mm / 300 mm / 420 mm

**Light Source:**  
Infrared light  
Wave length: 850 nm

**Window Material:**  
Acrylic (PMMA)

**Operating Temperature:**  
10° - 50°C

**Protection Class:**  
IP65

**Weight:**  
900 g / 1480 g / 2900 g

**Power Supply:**  
+ 10V - + 28V

**Output Signal:**  
0 - 10 mA,  
4 - 20 mA optional

**Linearity\*:**  
±0.43% error

**Plane Change\*:**  
±0.17% error

**Temperature Drift\*:**  
±0.10% error  
(from 10°C to 40°C)

**Cable Length:**  
Standard: up to 15 m  
Optional: up to 40 m

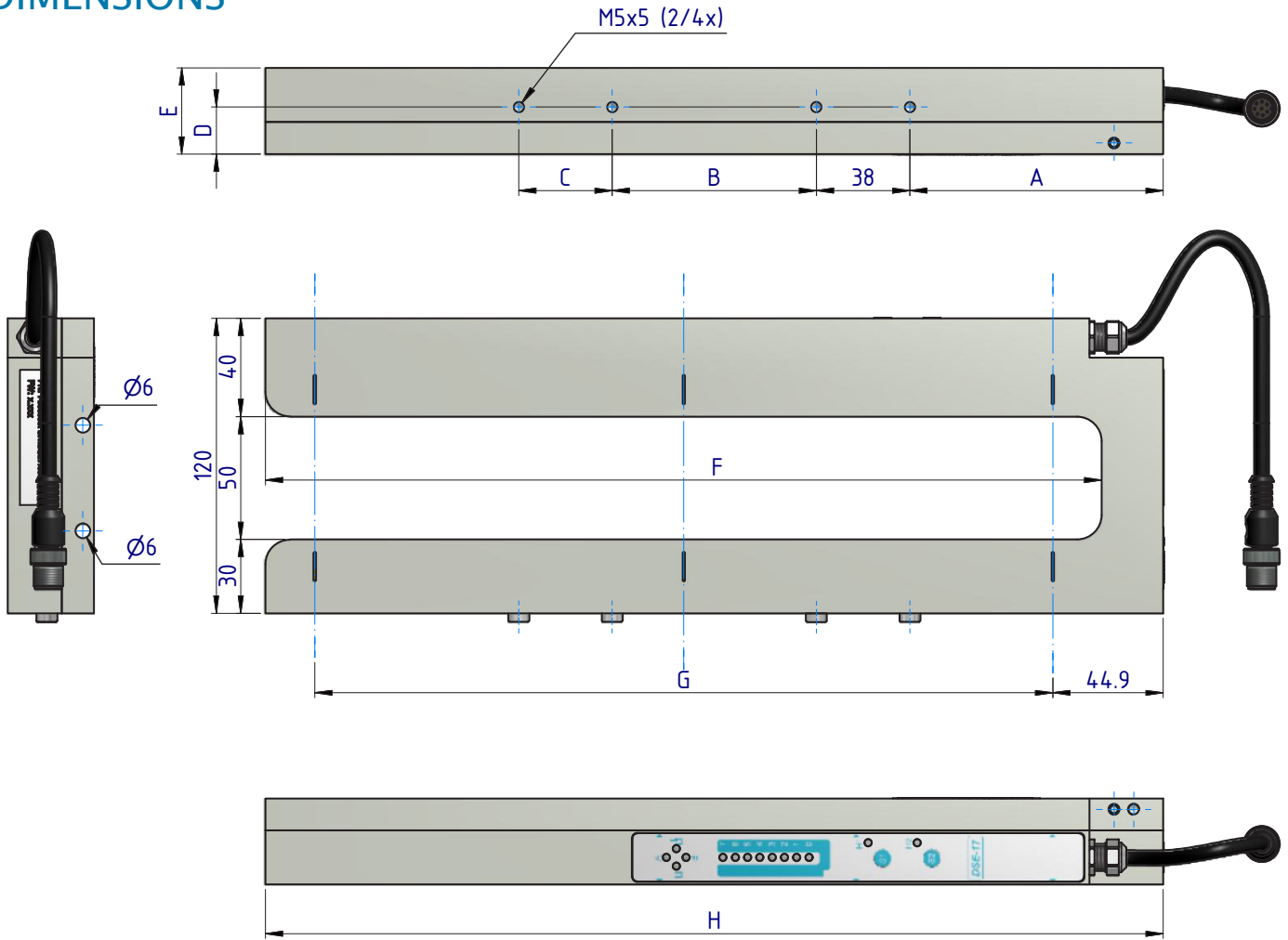
\* DSE-17-300

## KEY FEATURES

- Wide proportional band reduces manual sensor repositioning
- Tracks up to 4 independent web edges simultaneously
- Features a contamination monitoring analog signal
- 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
- Option: available with air sweep connection, to keep the sensor field of view clean in dusty environments

## WIDE BAND INFRARED SENSOR

### DIMENSIONS



Dimensions shown in mm.

	DSE-17-160	DSE-17-300	DSE-17-420
A	93,5	103	103
B	---	83	203
C	---	38	38
D	19,1	19,1	24,1
E	35	35	45
F	200	340	460
G	160	300	420
H	225	365	485



EUROPE, MIDDLE EAST  
AND AFRICA  
Tel +49.6195.7002.0  
Fax +49.6195.3018  
sales@maxcess.eu  
www.maxcess.eu

NORTH, CENTRAL  
AND SOUTH AMERICA  
Tel +1.405.755.1600  
Fax +1.405.755.8425  
sales@maxcessintl.com  
www.maxcessintl.com

CHINA  
Tel +86.756.881.9398  
Fax +86.756.881.9393  
info@maxcessintl.com.cn  
www.maxcessintl.com.cn

JAPAN  
Tel +81.43.421.1622  
Fax +81.43.421.2895  
japan@maxcessintl.com  
www.maxcess.jp

INDIA  
Tel +91.22.27602633  
Fax +91.22.27602634  
india@maxcessintl.com  
www.maxcess.in

