



## NEW DSE-45 WIDEBAND SENSOR FROM FIFE

The Fife DSE-45 wide band ultrasonic sensor performs well also with highly transparent materials such as thin films.

It is ideal for applications with frequent, even on-the-fly, web width changes, since wide field of view eliminates the need of the intervention of the operator to reposition the sensors, increasing uptime, throughput and profits.

The sensor is suitable also for the inline web width measurement of transparent webs, such as shrink sleeves, both for single and multiple webs.

The IP65 protection class housing makes it usable in harsher environments, such as when washdowns are required.



## GENERAL SPECIFICATIONS

### Field of view

66 mm  
107 mm  
178 mm  
311 mm  
515 mm

### Source

Ultrasonic at 300 kHz

### Operating temperature

0° to 60°C

### Protection class

IP65

### Power supply

12 to 48 V

### Output signal

0 – 10 mA to  $\leq 400 \Omega$   
4 – 20 mA to  $\leq 125 \Omega$   
digital data exchange RS-485  
Network (integrated):  
Modbus TCP

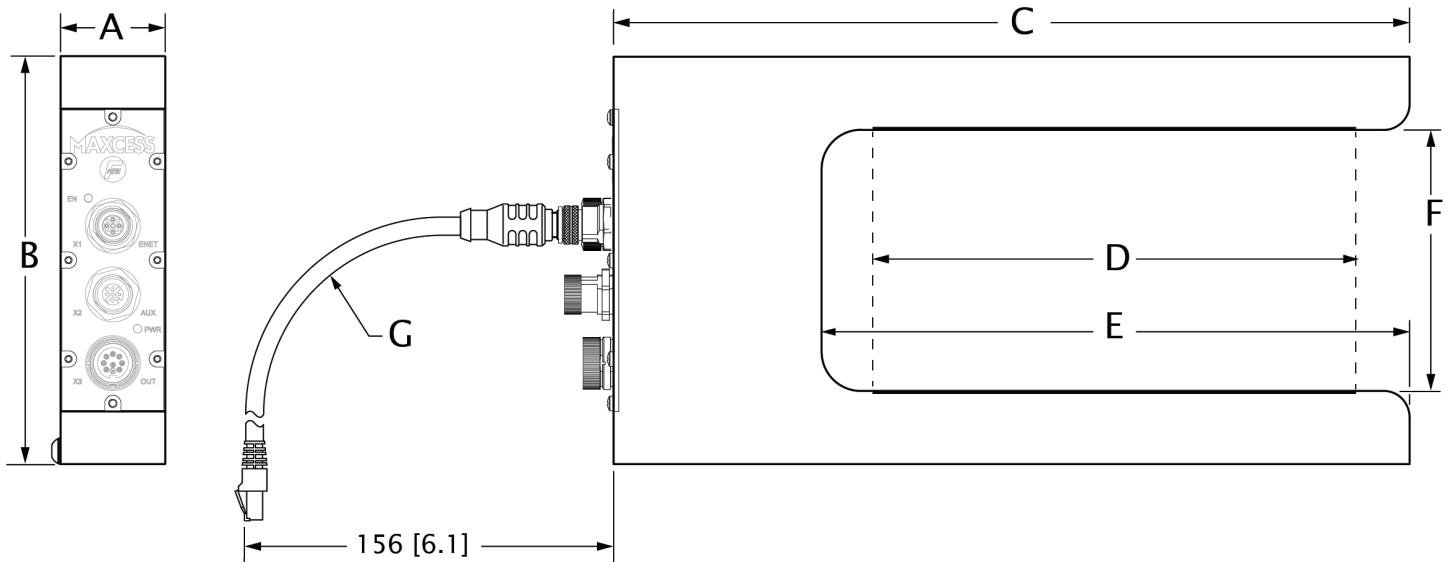
### Linearity

0.37% (over entire sensor field of view)

## KEY FEATURES

- No repositioning needed for web width changes
- Suitable for web width measurement applications
- Works with thin, highly transparent films, such as BOPP films
- IP65 rating for use in harsh environments
- Ability to track up to 16 web edges or 8 webs, reducing the number of sensors needed
- Digital connectivity for easy setup
- Either-edge and web width detection
- 5 models – field of view ranges from 66 to 515 mm

### DSE-45 CONNECTIONS & DIMENSIONS



Dimensions shown in mm

MODEL NUMBER	A WIDTH	B HEIGHT	C LENGTH	D FIELD OF VIEW	E THROAT	F GAP	G* CABLE RADIUS (MINIMUM)
DSE-45-7	40	156	193	66	113	100	90
DSE-45-11	40	156	234	107	154	100	90
DSE-45-18	40	156	305	178	225	100	90
DSE-45-31	40	156	438	311	358	100	90
DSE-45-52	40	156	642	515	562	100	90

\* The minimum bend for output and auxiliary cables is less.  
The minimum space required for the optional Ethernet cable is 156 mm.



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

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

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

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

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

