



A Maxcess
International
Company

TruWide Ultrasonic Sensor



Control multiple webs and web width variation on any material

Demanding materials, multiple webs and web width variation are easy to control when you have the right sensor for the job. For years, Fife has delivered a complete family of durable, reliable sensors to maintain web alignment when you need it most. New TruWide sensor technology gives you an expanded view of the web and the ability to run opaque or clear materials. It accommodates center or edge guiding with proportional band widths ranging from 2.6" (66 mm) to 20.28" (515 mm) and 16-bit resolution for more accuracy than ever before. Choose analog for stand-alone monitoring or digital operation for multiple edge and web width detection capability. And because it's a Fife, you know it'll be there for the long haul.

KEY
FEATURES

General Specifications

Part Number:

SE-45 Ultrasonic Sensor

Power Required:

+10 to +51 VDC

Output Signal:

Analog: 0 to 20 mA

Digital: MaxNet over Ethernet

Class: IP-50

Certification: CE

Sensor Signal Source:

Ultrasonic at 300 KHz

Proportional Band Width:

2.60" (66 mm)

4.21" (107 mm)

7.01" (178 mm)

12.24" (311 mm)

20.28" (515 mm)

Temperature Range:

32° to 140° F (0° to 60° C)

Linearity:

0.37% (over entire sensor band width)

Key Features

- Either-edge and web width detection in analog mode
- Multiple edge and web width detection in digital (Ethernet) mode
- Highest accuracy - 16-bit resolution, standard or high resolution modes
- Five sensor models - proportional band width ranges from 2.6" (66 mm) to 20.28" (515 mm)
- Efficient maintenance - transducers can be replaced independently
- Measure distance between lanes in multi-web applications
- Part of a complete family of sensors to increase efficiency and accuracy where web widths and materials change often
- Patent-pending

TruWide Connections & Dimensions

Complementary Products:

FIFE

- Guiding Products & Systems
 - D-MAX Series Guiding System
 - Offset Pivot Guides
- Video & Visual Inspection
 - InPrint Video Inspection

TIDLAND

- Slitting Products & Systems
- Winding Products

MAGPOWR

- Tension Control Products
- Torque Control Products

SENSOR & POWER CONNECTION METHODS:

X1 Ethernet Connection

MaxNet Communication over Ethernet TCP (UDP Layer)

X2 Auxiliary Power Connection (+10 to +51 VDC)

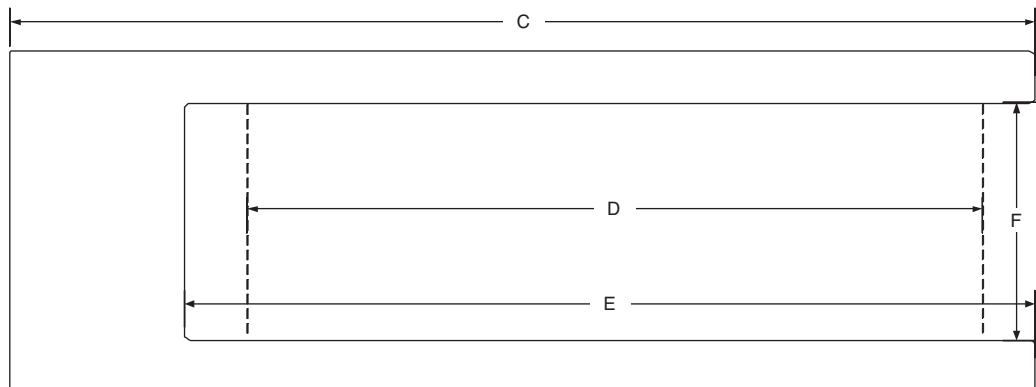
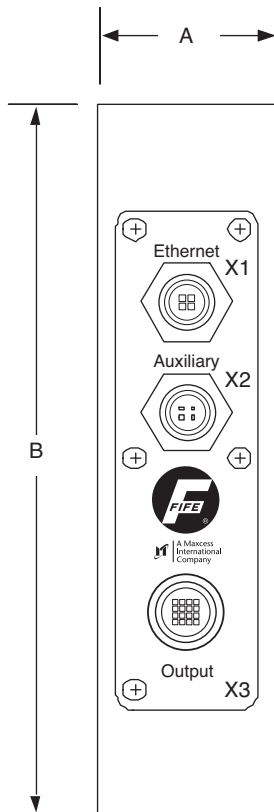
One Pin = Power, Two Pins = Ground

One Pin = Web Width Output (0 – 20 mA)

X3 Analog Connection (+12 VDC / 0 – 20 mA)

One Pin = +12 VDC Power, One Pin = Ground

Three Pins = Two Edge and One Web Width Output (0 – 20 mA)



Model Number	A Width	B Height	C Length	D Band Width	E Throat	F Gap
SE-45-7-10	1.42" [36 mm]	5.67" [144 mm]	7.40" [188 mm]	2.60" [66 mm]	4.51" [115 mm]	3.94" [100 mm]
SE-45-11-10	1.42" [36 mm]	5.67" [144 mm]	9.02" [229 mm]	4.21" [107 mm]	6.12" [156 mm]	3.94" [100 mm]
SE-45-18-10	1.42" [36 mm]	5.67" [144 mm]	11.81" [300 mm]	7.01" [178 mm]	8.92" [227 mm]	3.94" [100 mm]
SE-45-31-10	1.42" [36 mm]	5.67" [144 mm]	17.05" [433 mm]	12.24" [311 mm]	14.51" [360 mm]	3.94" [100 mm]
SE-45-52-10	1.42" [36 mm]	5.67" [144 mm]	25.08" [637 mm]	20.28" [515 mm]	22.19" [564 mm]	3.94" [100 mm]



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