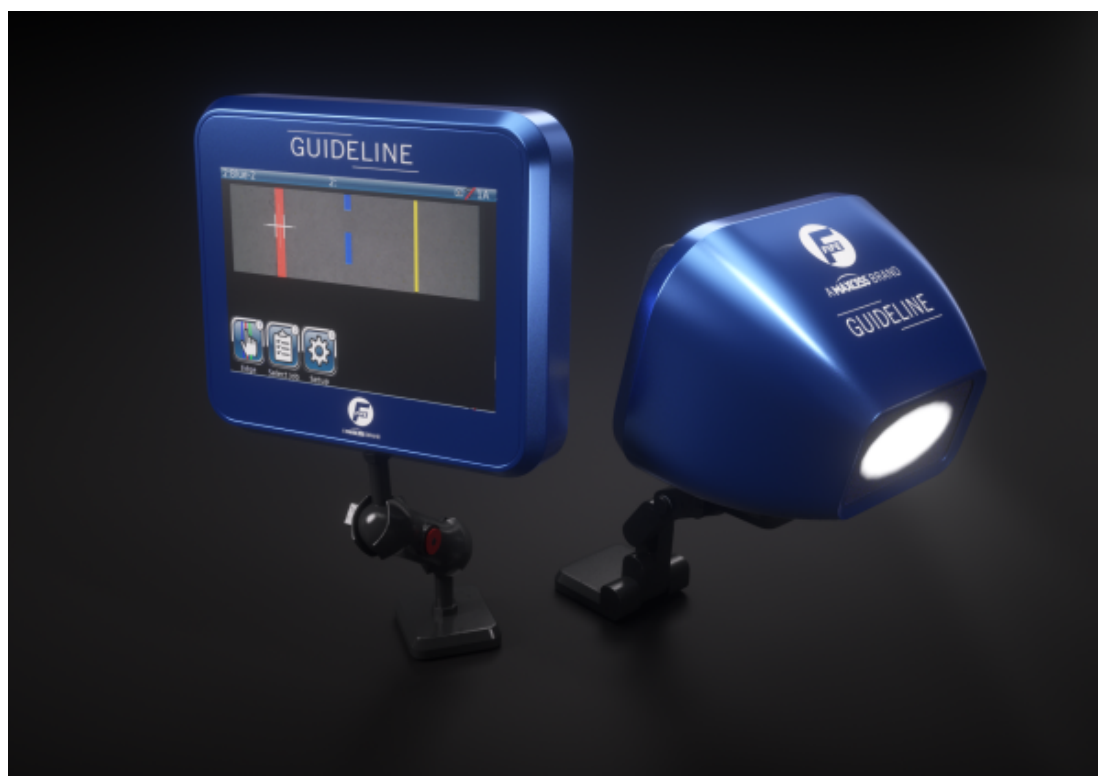


對線感應器

Maxcess (Fife)

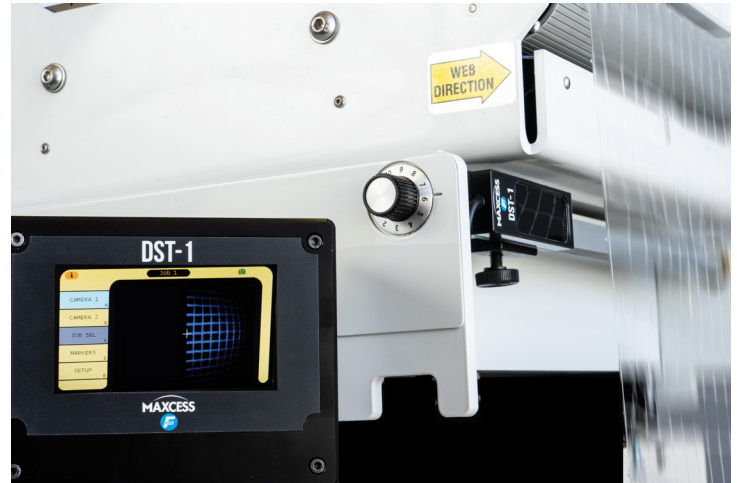




The Next Generation In Guiding Sensor Technology

The DST-1 sensor from Fife brings a revolutionary breakthrough in sensor technology to guide a wide array of materials with ease. Whether you need to change materials throughout the day or run a challenging material, the DST-1 is the right sensor for the job.

The DST-1 requires no external light source or reflector and offers the ability to detect the web from one side, removing the challenge of the sensor potentially coming into contact with web. Additionally, with an intuitive color touchscreen for setup and calibration, setup and material change is quick and easy.



Key Features & General Specifications



- ONE sensor to guide almost any material with ease
- Ability to guide most challenging materials
- Easy setup and calibration
- Detects web from one side
- Hassle-free material changeovers
- Multiple cameras in sensor
- No external light source or reflector required
- IP54 Protection Class

Sensor Working Spectrum:
NIR (Near Infrared)

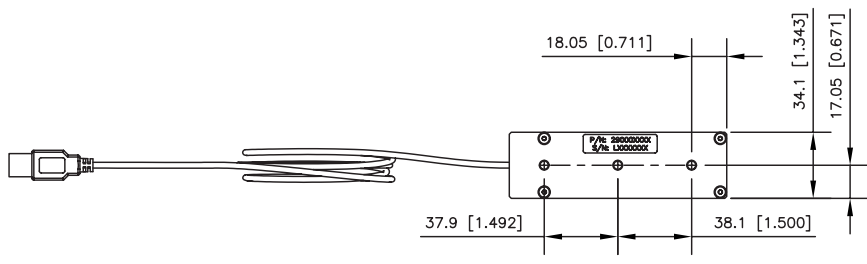
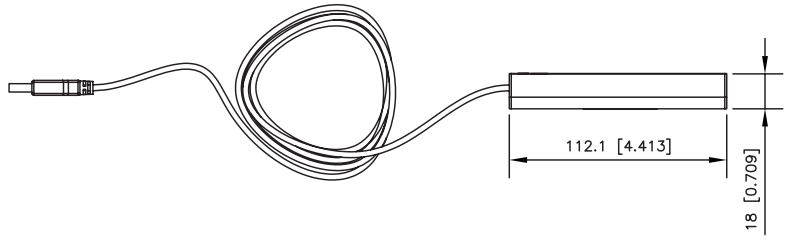
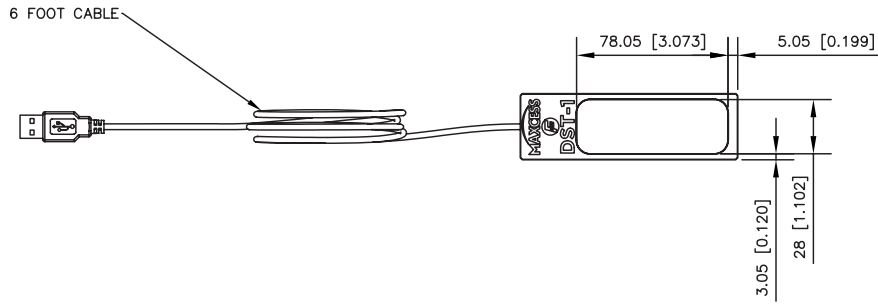
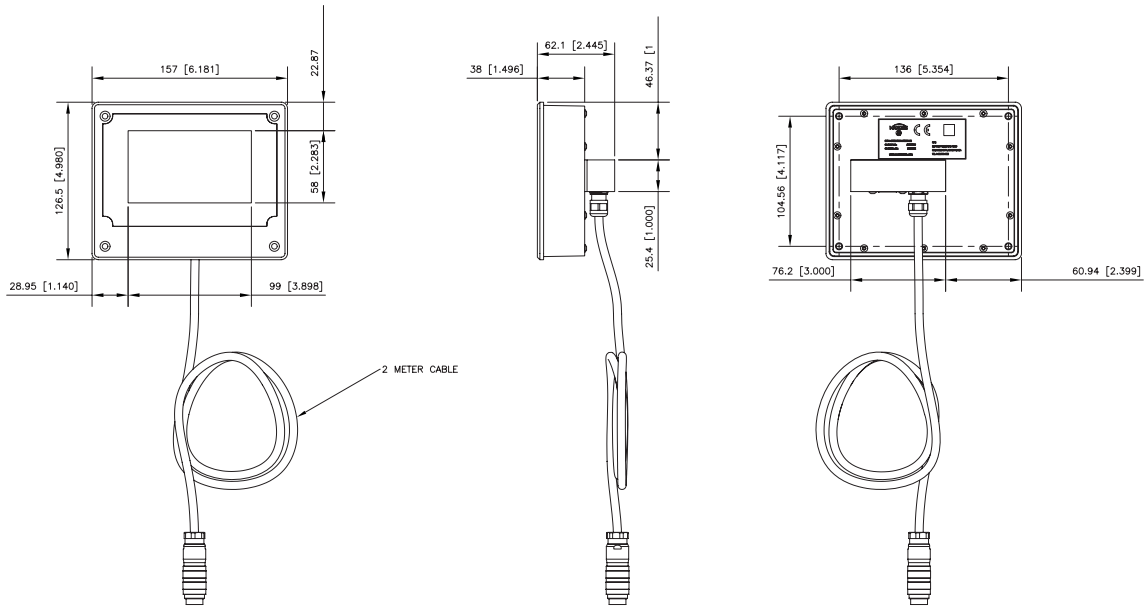
Sensor Field of View (at distance):
*70 mm (at 20 mm) to
250 mm (at 250 mm)*

Sensor Dimensions:
112 x 34 x 18 mm (4.4 x 1.3 x 0.7 inches)

OI Dimensions:
156 x 126 x 66 mm (6.1 x 5 x 2.6 inches)

OI Display Type:
*Color Touchscreen
480 x 272 px*

Sensor Update Range:
83 Hz



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RELATED PRODUCTS ASK US ABOUT:

Cygnus Tension Controller

D-MAX Enhanced Web Guiding Controller





A MAXCESS BRAND

Up To 10X More Accurate Widest Field Of View

The GuideLine digital line sensor is capable of detecting lines, edges of lines and graphic patterns, such as bar codes at an extremely competitive price point. It can also be used in low contrast conditions or with different patterns located close to each other, where traditional line sensors do not work. GuideLine can also edge guide transparent films.

The included operator interface for the GuideLine sensor features a color touch screen, allowing for the image of the web to be displayed in full color, making the sensor calibration easy and intuitive.

With a 32 mm wide field of view and the high resolution, GuideLine is suitable for the most demanding line guide applications



Key Features



- Ability to easily guide to lines, edges of lines and graphic patterns on the fly
- Up to 10X better accuracy than the competition
- Color camera with intuitive 5" color touchscreen to easily lock on to lines
- 32 mm field of view, the widest field of view on the market
- Utilizes high-speed industrial camera for high resolution even at higher speeds
- Analog and digital outputs available
- Articulating arm for easy setup

OI Display:

Color touchscreen, 800 x 480 px

Operating Voltage:

10-26 VDC

Power Consumption:

13 W maximum

Field of View:

32 mm

Certifications:

CE

IP Protection Class:

IP54

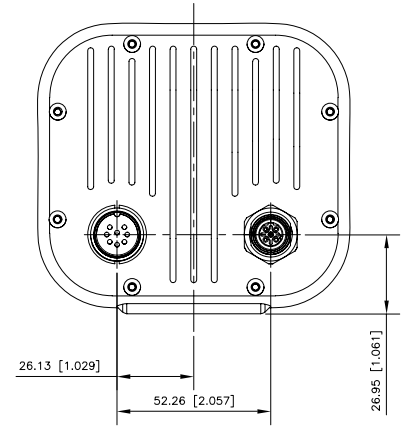
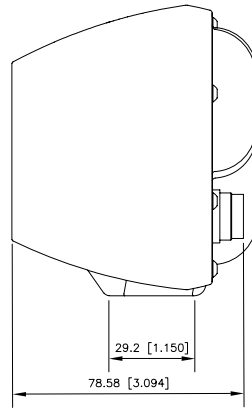
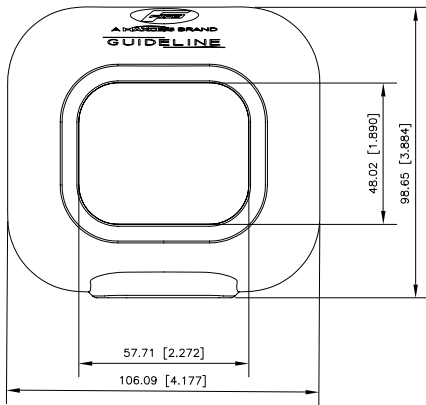
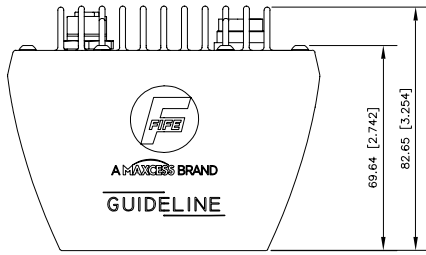
Temperature:

0-60° C (32-140° F)

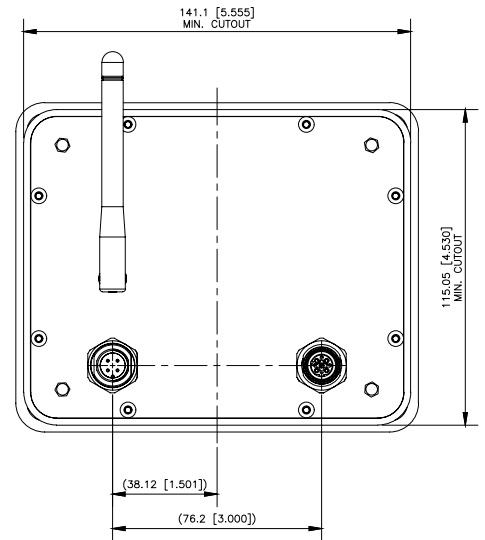
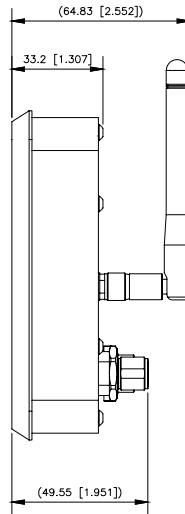
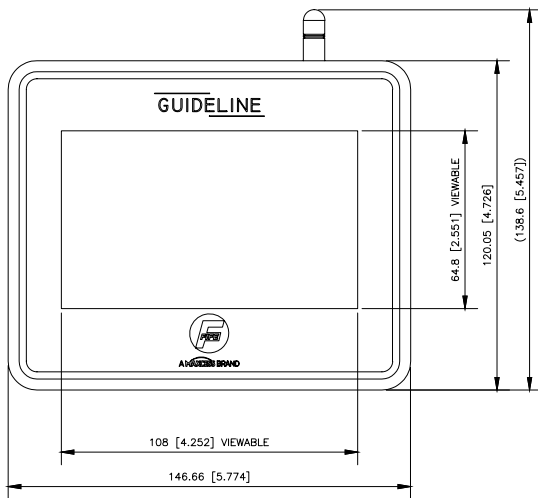
Response Time:

5 ms

GUIDELINE SENSOR DIMENSIONS



GUIDELINE OI DIMENSIONS



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RELATED PRODUCTS ASK US ABOUT:

Rotometrics Flexible Dies
FIFE-500 MAX Guide
Componex AV Idler Rolls



SE-46C DIGITAL LINE GUIDE SENSOR



The SE-46C digital line sensor is capable of detecting lines, edges of lines and graphic patterns, such as barcodes. It can also be used in low contrast conditions or with different patterns located close to each other, where traditional line sensors do not work. The SE-46C can also edge guide transparent films.

The OI-TS control panel for the SE-46C line sensor features a color touch screen, allowing for the image of the web to be displayed in full color, making the sensor calibration easy and intuitive.

With a 30 mm wide field of view and the high resolution, the SE-46C is suitable for the most demanding line guide applications.



GENERAL SPECIFICATIONS

Distance Sensor-Web:

10 mm
(.394 inches)

Field of View:

30 mm
(1.18 inches)

Ambient Temperature:

5° to 50° C
(41° to 122° F)

Protection Class:

IP54

Power Supply

12V/ 24V
(powered by Fife processor)

Analog Output Signal:

0 to 10 mA

Digital Output Signal:

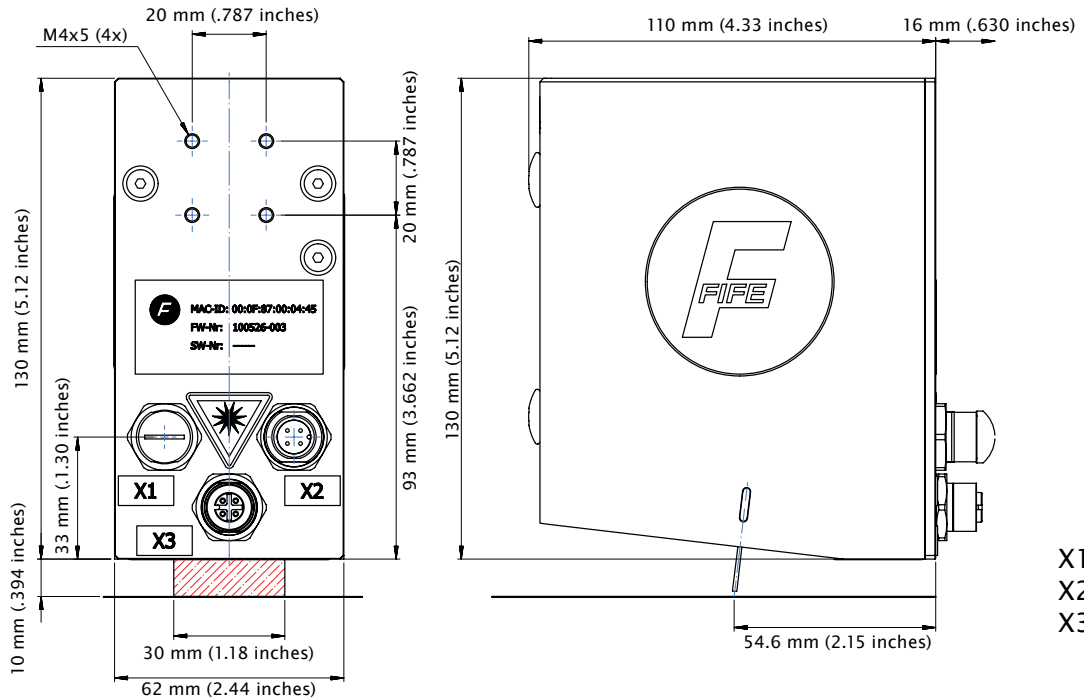
Ethernet (MAXNET)

KEY FEATURES

- Capable of guiding lines, edges of lines and line patterns (i.e. barcodes)
- Easy reference selection through color touch-screen interface
- Display field of view image in full color
- Edge guide of transparent films
- Wide field of view (30 mm)
- Digital signal output via Ethernet
- CMOS linear image sensor with 512 pixels

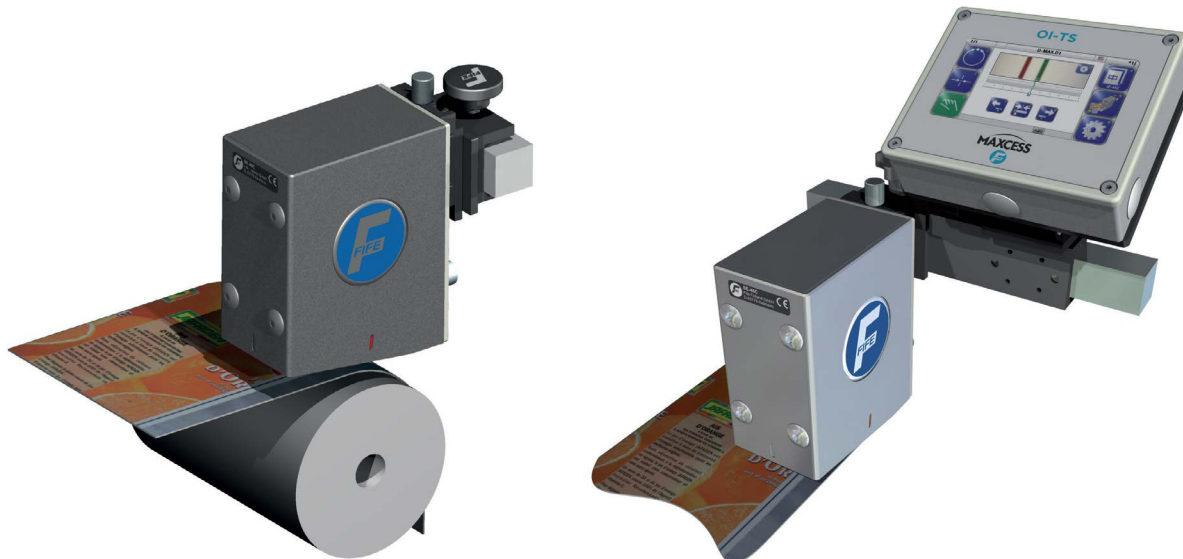
SE-46C DIGITAL LINE GUIDE SENSOR

DIMENSIONS



X1 - Ethernet
X2 - Analog
X3 - RS485

EXAMPLES



MAXCESS®

WEBEX FIFE TIDLAND MAGPOWR

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SE-26B LINE GUIDE SENSOR



The SE-26B is a visible white LED light sensor that can be used to guide to the center of a line or to an edge. The sensor provides two output signals to the Fife guiding controller, one for EDGE mode and one for LINE mode.

Featuring 100,000 lifetime hours, the lens and cover components can be unscrewed and interchanged to change the sensing orientation.



GENERAL SPECIFICATIONS

Product Name

SE-26B Line Guide Sensor

Supply Current

50 mA, + 12 VDC

40 mA, - 12 VDC

Temperature Range

Operating-0° to 60° C (-22° to 140° F)

Storage- 0° to 80° C (-22 to 176° F)

Illumination

White LED

Light Spot Size

1.2 x 4.2 mm (0.047 x 0.165 inch)

LED Light Lifetime

100,000 hours

Enclosure

IP65

Climate Class

3K3 (EN60721)

Relative Humidity

5% to 85%

Pollution Degree

2 (IEC664-1)

Sensor Output Range

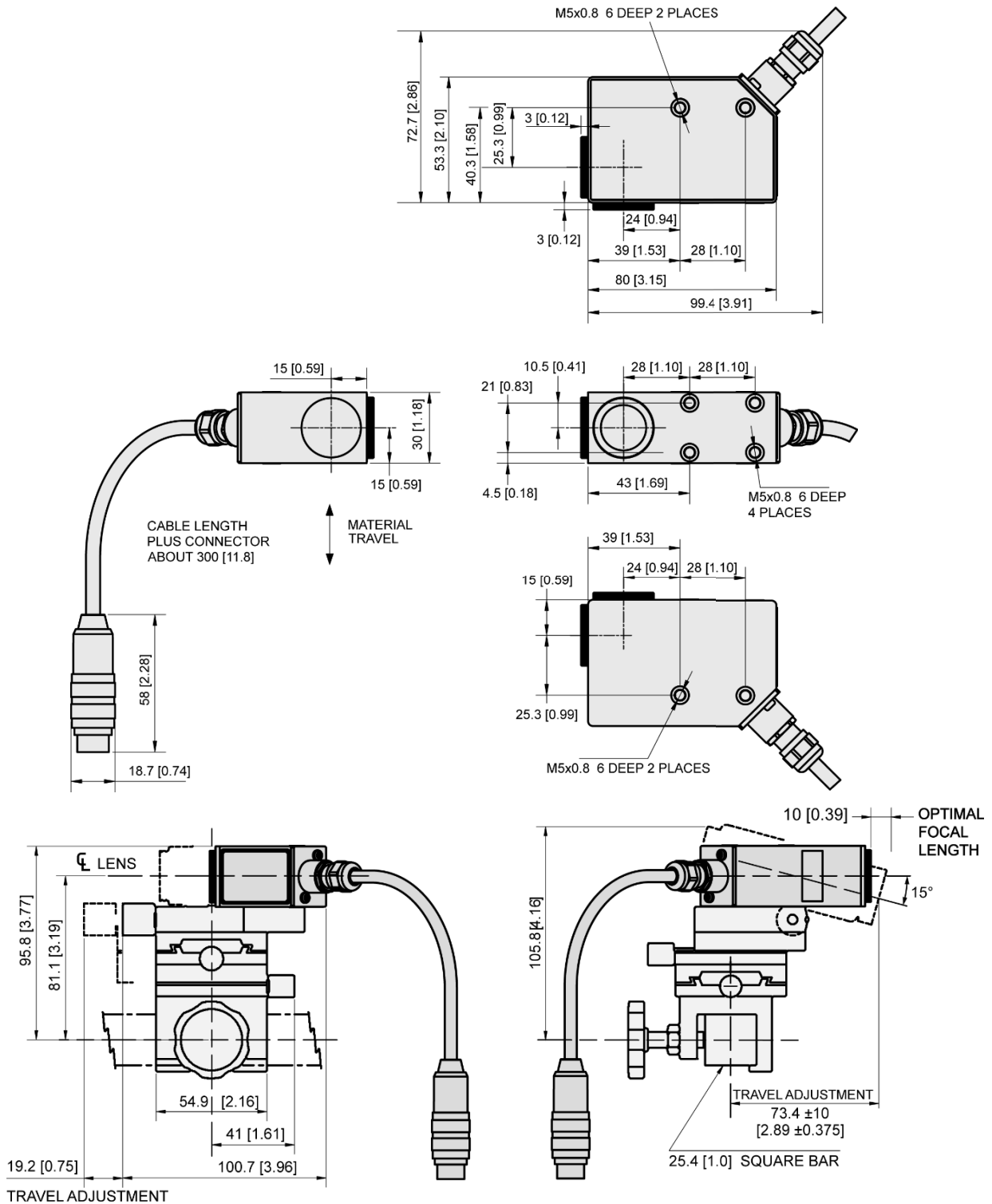
-20 mA to +20 mA for line
guiding

-20 mA to +10 mA for edge
guiding

KEY FEATURES

- Small, lightweight sensor for guiding to the center or edge of a line
- Especially good in applications where contrast between background and printed line is low
- Provides reliable operation for glossy, reflective, or shiny materials
- Lens position may be altered to allow the sensor to operate at 90° from standard
- Flexible mounting and positioning assemblies ensure quick and easy installation
- Electrostatic discharge protected
- LED light source provides 100,000 lifetime hours

SE-26B LINE GUIDE SENSOR



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MAGPOWR



TIDLAND



The DAC-005 digital camera sensor is the ideal solution for a wide range of difficult to sense materials from nonwovens to steel. The camera utilizes a total of 7,725 pixels and it can split the field of view into 31 sub-areas, creating virtual sensors. Each virtual sensor can detect one edge out of 255 total.

The small housing, internal light source and different C-mount lenses allow an installation under tight field conditions. Backward compatible with older F-mount lenses as an option.

Its digital sensing offers high resistance to contamination, dust particles, oil, vapors, and water.

It also has the ability to connect via Analog or Digital with fieldbus interfaces and runs in a variety of applications ranging from fixed sensor rewinding, center edge, and line guiding to web width measurement with an accuracy up to 0.02%.

The DAC-005 is easily set up with D-MAX Operator Interface OI-N or Mini Operator Interface OI-S.

GENERAL SPECIFICATIONS

Interfaces with

CDP-01, Polaris DP-20 and DP-30, D-MAX

CCD Sensor

High-Resolution CCD Chip with 5150 pixels (7725 pixels interpolated)

Sensing Capability

Senses up to 31 edges out of 255

Power Supply

10 VDC to 30 VDC
400 mA (internal light source)
300 mA (external light source)

Analog Output

0 mA to 10 mA for 2 edges

Temperature

0-50 °C

Digital Output

2 open collector outputs

Available Lenses

F-Mount: 28-80 mm, 70-210 mm,
C-Mount: 8 mm, 12.5 mm,
16 mm, 25 mm, 35 mm

Protection Class

IP-65 (DIN 40050)

Applications

Edge or center guiding with one camera

Width measurement with one or two cameras

Fixed sensor rewinding

Corrugated, Nonwovens, Foils

Metal Strips

KEY FEATURES

- Digital 7,725 pixel CCD sensing ignores contrast changes and has high linearity and accuracy
- Digital sensing offers high resistance to contamination from dust particles, oil, vapors, and water
- MaxNet allows on-the-fly parameter changes and alarms from the D-MAX
- Extremely flexible web width and gap settings

FIFE DAC-005 DIODE ARRAY

CAMERA SENSOR

OPERATION

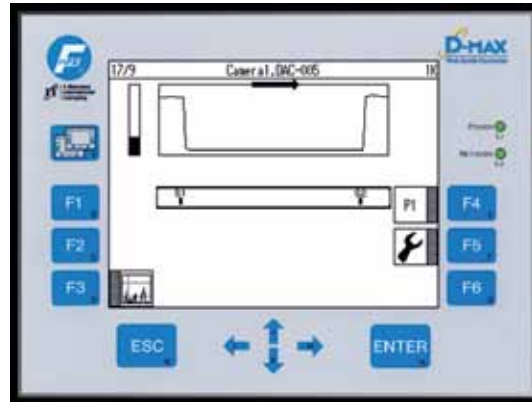


D-MAX OPERATOR INTERFACE OI-S

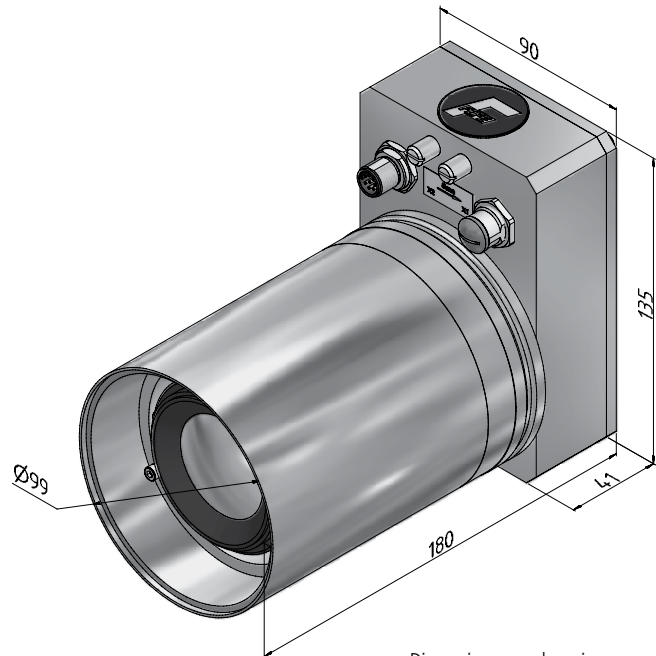
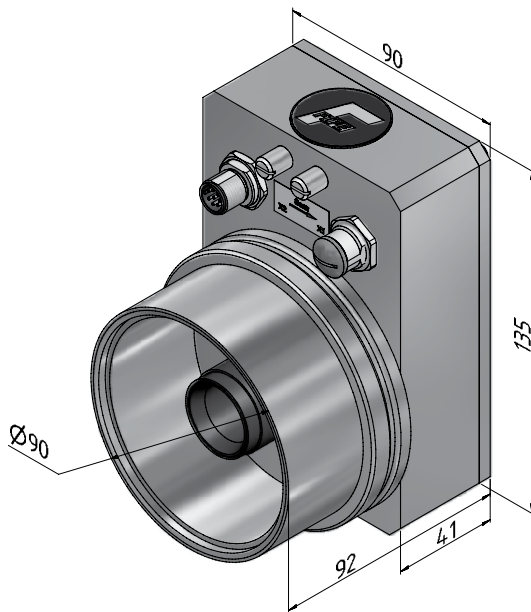
- Mechanical and optical setup
- Status display

D-MAX OPERATOR INTERFACE OI-N

- Mechanical and optical setup
- Flexible data display and easy configuration
- Excellent diagnostics tool for troubleshooting and preventive maintenance
- Eliminates the need for additional tools
- D-MAX OI-N functionality with software, virtual D-MAX OI for laptop and PC available



DIMENSIONS



Dimensions are show in mm

MAXCESS

MAGPOWER



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