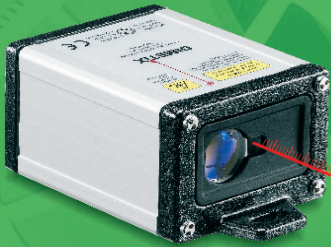
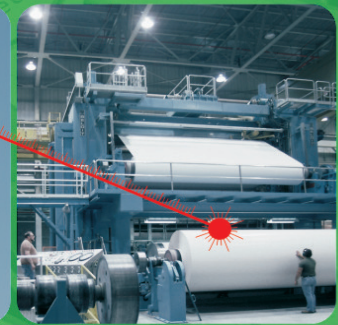


DISTANCE MEASURING – contactless and reliable**NEW !****0.05 ... 30 m
±3 mm****EDS-C – the simple and economic solution****General Description**

The EDS-C Laser Distance Sensor measures absolute distances up to 30 meters. It measures, maintenance free, distances on natural surfaces with a precision of 3mm. The EDS-C Sensor can determine positions of objects that are difficult to access or may have very high surface temperatures. It can, just as well, measure distances in hostile environments with accuracy and ease.

Highly innovative laser technology enables a compact assembly which permits space-saving installations. The EDS-C Distance Sensor consists of a rugged IP 65 standard aluminum case enabling operation at - 10 to + 50 degrees C ambient temperatures. The excellent price-performance of the EDS-C Distance Sensor makes this a suitable alternative to proximity sensors which have less functionality.

A standard M 12 5 pin connector is provided on the rear of the EDS-C laser for communication and analog output. The analog output is scalable to suit the measurement range requirements.

The EDS-C Distance Sensor is designed for use both indoors and outdoors and in industrial and harsh environments such as aluminum, copper, paper, steel, and saw mills.

EDS-C front view



EDS-C rear view



EDS-C Distance Sensor Highlights

Features

- 0.05 to 30 meters measurement range
- $\pm 3\text{mm}$ (0.118") accuracy
- Measurement rate, 3Hz.
- Complete system in one housing
- Scalable analog output
- IP 65 protection class
- Indoor and outdoor operation
- Measurements can be made on many different surfaces

Benefits

- Cost effective solution for long distance measurements
- Class 2 laser for plant safety

Typical Applications

- Overhead crane positioning
- Elevator positioning
- Level measuring in silos
- Parking garage beam locations
- Vehicle locations
- Altitude measurements
- Steel Slab thickness and width
- Wood products for width, thickness and length
- Paper roll products for width and diameter

Simple Integration

The electrical connection of the EDS-C Distance Sensor utilizes a standardized 5 pin M12 connector. The measuring result will be transmitted to a scalable analog output which makes for a cost effective connection to any kind of control system possible.

Recommended Accessory

Model 201-000 Starter Kit

The starter kit includes a M12 5 pin to D-sub 9 pin cable, analog leads and a 110 110Vac / 24Vdc power supply. The starter kit is useful for setting the parameters in the EDS-C Distance Sensor. The D-sub 9 connector connects directly to a PC comm port. The sensor comes with a CD Rom for the PC to setup the sensor. Only one kit is needed to set up multiple EDS-C Distance Sensors.



Because of the capabilities of the EDS-C Distance Sensor a wide variety of applications are possible indoors and outdoors. A few of these applications are pictured below. Do not hesitate to contact us to discuss your specific application.



Height on a crane



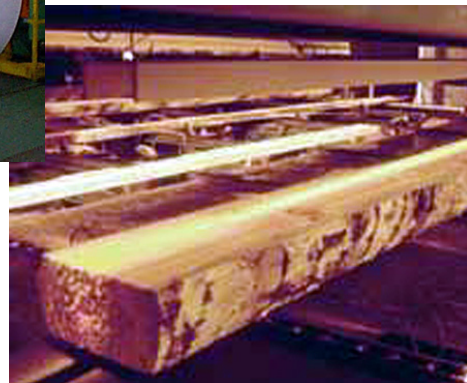
Contents in a silo



Log length and location to a saw



Paper roll width and dia.



Width and thickness on logs



Width and length of doors, etc

EDS-C Distance Sensors

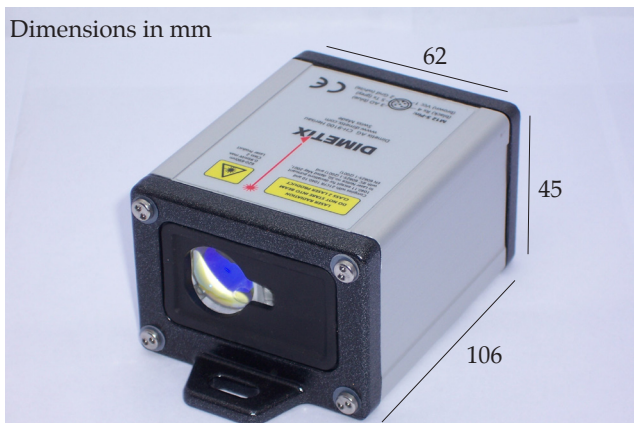
EDS-C Series

Specifications

EDS-C-30, the simple and cost effective solution	
Accuracy (mm)	± 3 minimum or maximum 0.3% of measuring range
Measuring range(M)	0.05 - 30
Operating temp.(°C)	- 10 to + 50
Housing	Metal case, IP 65
Laser	Visible, red
Dimensions (mm)	106 x 62 x 45
Weight (g)	280
Interface	1 analog output 0/4 to 20mA, programmable

For higher accuracy and longer distance ranges, please request information on the DLS-B Series of Distance Sensors. The DLS-B-15 has a distance range of 500 meters and an accuracy of ± 1.5mm. The DLS-B-30 has a distance range of 500 meters and an accuracy of ± 3mm.

Dimensions in mm



Accessories and Options

- Telescopic viewfinder for ease of alignment
- Target plate provides a defined measuring target
- Mounting brackets
- Remote displays
- Different cable configurations
- Enclosures
- Starter kit
- Additional options are available, contact us

Manufactured by:

DIMETIX

Dimetix AG, Degersheimerstrasse 14, CH-9100 Herisau, Switzerland
 Phone: +41 71 383 2010, Fax: +41 71 383 2011, Email: info@ dimetix.co
 www.dimetix.com

This document is not to be reprinted without written permission of Dimetix USA. Data subject to change without notice. 12/01/09.

Exclusively Distributed in the USA by:

Represented in the USA by:

DIMETIX USA

P.O. Box 195
 Lionville, PA 19341
 Tel: (484) 212 0636
 Fax: (206) 338 4281
 Website: www.dimetix-usa.com
 Email: info@dimetix-usa.com