

Object Measuring

+++ Compact +++ Versatile +++ Rapid +++



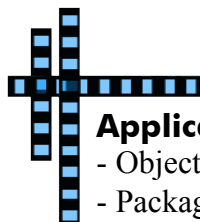
Object100 Measuring Light Curtain

Object100 can perform diverse measuring tasks in the automation industry, whether it be excess control, height measuring or multidimensional measuring (x, y and z measuring).

Object100's unique design allows you to carry out excess or overhang detection as well as dimension ascertainment all in only one light curtain system. Only CEDES offers you the clear advantage of system-simplification, dependability and cost.

The range of applications of the very compact Object100 light curtain together with the ObjectC 100F controller are extremely varied. Using the configuration software, the system can be quickly customized to your unique set of requirements.

**Measuring and excess detection with one light curtain?
Object100 proves it's possible!**



Applications:

- Object measuring (conveyor applications)
- Packaging industry
- Palletizing
- Storage systems
- Paint-spray facilities
- Excess / overhang detection
- Wood-working machines
- Powder spray coating facilities
- ... and many more

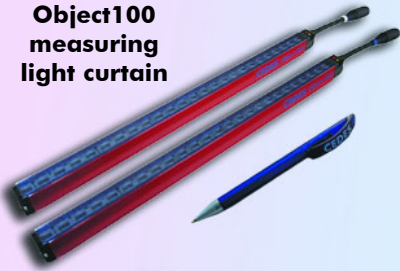


CEDES

More than you expect!

Object100 measuring light curtain with ObjectC 100F controller

**Object100
measuring
light curtain**



**ObjectC 100F
controller**



The Object100 measuring light curtain impresses with its extremely narrow cross-section of just 15 x 20 mm.

Object100 - ObjectC 100F at a glance!

With the use of this state-of-the-art measuring light curtain, objects are reliably and quickly measured. Efficiency of the production line increases dramatically. Whether measuring length, depth, height, or recognizing position or shape, Object100 precisely collects the required information. The high sample rate enables the machine controller to react very quickly.

The very compact cross-section gives design engineers a great deal of freedom, not only for new concepts, but also for refitting and modernizing older machines and equipment. Despite the incredibly compact size, it offers an operating range of up to 4 meters. With the Object100, the measuring function can be integrated perfectly into machines and equipment, without having to make any compromises in design or ergonomics.

Thanks to the configurable I/O input and output signals, the ObjectC 100F controller is a stand-alone system. The data transfer is carried out serially with a so-called 'Handshake' protocol. 'Handshake' protocol means the data is transferred using two inputs and outputs to every standard SPS. The optional RS 485 interface allows the allocation of individual light beams or light beam fields to the I/O outputs. ObjectC 100F also features an optical interface. It is possible to configure various software modules so that the controller can be quickly and easily adjusted to the application specific requirements.

Thanks to this flexibility, the cegard/Object100 - cegard/ObjectC 100F light curtain system is even perfect for your application.

Special features of Object100:

- Extremely high sample rate
- Integrated LED for diagnosis and alignment
- Cascading system possible

Special features of ObjectC 100F:

- Universal "Handshake"- and optical interface
- RS 485 and CAN interface optional
- Stand-alone system
- Raster also adjustable on controller

Technical data

Object100:

Measuring field height	50 ... 2'200 mm
Operating range	up to 4 m
Raster	10 or 25 mm
Max. no. of beams	255
Enclosure rating	IP65

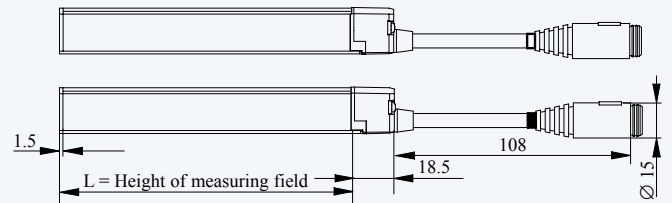
ObjectC 100F:

Supply voltage	24 VDC \pm 20 %
Current consumption	max. 100 mA (without load)
Outputs	PNP /NPN, Push-Pull
Interfaces	Handshake, optical optional: RS 485, CAN
Reaction time	< 7.5 ms
Mounting	DIN rail 35 mm
Enclosure rating	IP20 / IP54 (optional)
Temperature range	0 ... 55°C / -20 ... 60°C (operation / storage)

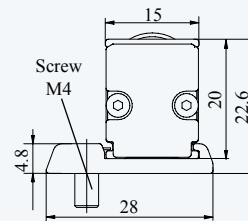


Dimensions

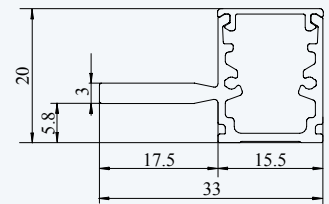
Object100



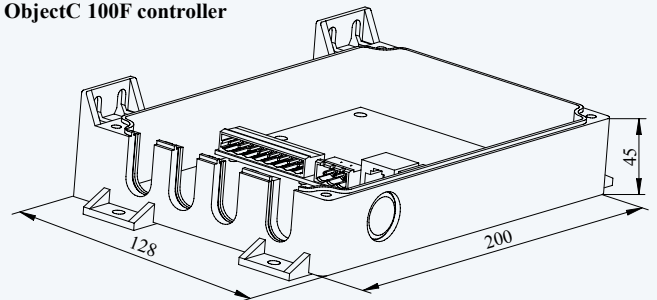
Standard mounting



Lug profile



ObjectC 100F controller



All dimensions in mm

22. September 2005 - Part number 001 106 E