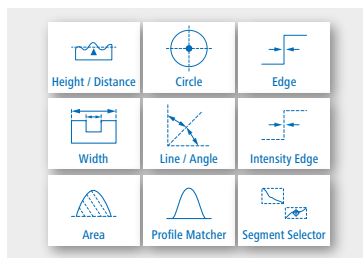


Baumer OX series – smart 2D profile sensors

The new sensor class for positioning and inspection tasks



All-in-one: Compact – versatile – economical



Smart measurement toolbox

Complete functionality directly in the sensor with all measuring functions integrated.

Intuitive web interface

for simple parametrization and configuration of the sensor, without additional software installation.

Suitable for your application



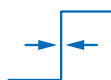
Inspection

Presence check, dimensional accuracy check, completeness check and more



Robot positioning

Tool and end-of-arm-tool positioning for gripper, cutting tools and more



Web edge control

Like edge detection for web guidance



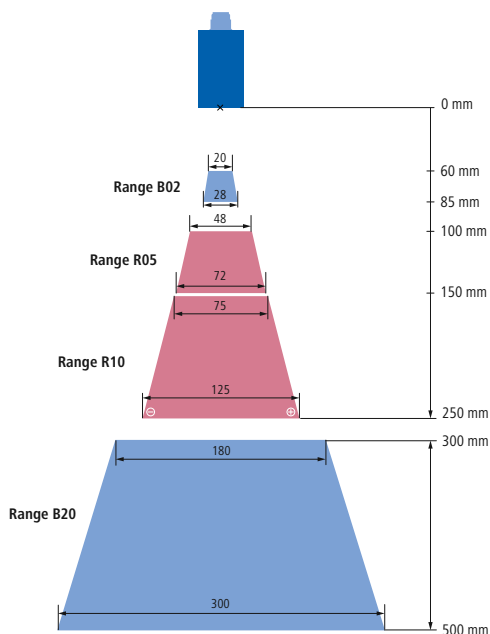
Smart connected

Thanks to the large selection of protocols, the OX series can be easily integrated into automation environments.



Compact, lightweight design

Suitable for mounting on the robot arm using Power-over-Ethernet.



	OXM200-B02 OX200-B02	OXM100-R05 OXM200-R05 OX200-R05	OXM100-R10 OXM200-R10 OX200-R10	OXM200-B20 OX200-B20
Measurement Range (MR)	25 mm	50 mm	100 mm	200 mm
Clearance Distance (CD)	60 mm	100 mm	150 mm	300 mm
Field of view (FoV)	20 ... 28 mm	48 ... 72 mm	75 ... 125 mm	180 ... 300 mm
Resolution X (profile point distance)	30 ... 40 µm	80 ... 120 µm	125 ... 210 µm	310 ... 517 µm
Resolution Z_{ave}	OX200	5 µm	8 ... 15 µm	21 ... 45 µm
	OX100	–	16 ... 30 µm	–
Laser class	OX200	2	2	2
	OX100	–	1	1
Wavelength	Blue (405 nm)	Red (660 nm)		Blue (405 nm)

