

Laser distance sensors

High-precision measurement and positioning



Repeatable

Highly repeatable and surface independent distance measurement up to 1700 mm

Connected

IO-Link, serial and Ethernet-based protocols available

Precision

Best-in-class measurement performance with linearity deviation of $< \pm 3 \mu\text{m}$ and repeat accuracy of up to $0.12 \mu\text{m}$

Easy-to-use

Thanks to intuitive web interface or Baumer Sensor Suite



OM20

The most compact laser distance sensor on the market, for precision in cramped spaces.



OM30

Miniature sensor for measuring distances up to 550 mm.



OM60

Best-in-class precision up to $\pm 3 \mu\text{m}$ linearity deviation and $0.12 \mu\text{m}$ repeat accuracy.



OM70

High-performance sensor with wide range of Ethernet-based protocols.

The portfolio at a glance

Product	Measuring range	Laser class	Repeatability	Linearity line type	Measuring frequency	Interfaces
OM20	16 ... 120 mm	1	Up to 1 μm	Up to $\pm 8 \mu\text{m}$	5 kHz	IO-Link Analog RS485
OM30	50 ... 550 mm	2	Up to 3 μm	Up to $\pm 40 \mu\text{m}$	5 kHz	IO-Link Analog RS485
OM60	20 ... 1000 mm	1	Up to 0.12 μm	Up to $\pm 3 \mu\text{m}$	Up to 3.3 kHz	Analog I/U IO-Link Modbus RTU
OM70	30 ... 1700 mm	1 or 2	Up to 0.3 μm	Up to $\pm 24 \mu\text{m}$	Up to 2.5 kHz	Ethernet with PROFINET, Modbus TCP, OPC UA; UDP Streaming and EtherNet/IP RS485

