

The laser distance sensor in a robust stainless steel housing allows distance measurements under difficult conditions. The object distance is signaled as an analog value. The sensor is individually programmable via RS485 interface and PC software.

### Special features:

- for objects up to +1300 °C
- up to +200 °C ambient temperature
- three freely adjustable switching outputs
- trigger function
- cooling water connection (~ 1 l/min, 5 bar max.)
- G3/4" thread for protection hose connection

### Technical data

Type	LMB 100
Art.-No.	5200A
Distance range	0 - 500 m*
Laserclass	2
Distance range adjustable	yes
Analog output	4 - 20 mA (12-Bit- resolution)
Load impedance	≤ 500 R
Output Q1, Q2, Q3	PNP n.o./ n.c. programmable
Load current max.	0 - 400 mA
Short circuit protection	yes, pulsing
Digital communication	RS 485
Trigger input	12 – 30 V DC
Supply voltage	12 – 30 V DC
Ripple voltage	max. 10 %
Current consumption	≤ 200 mA
Readiness time	7 s
Response time	10 ms up to 1,5 s
Measurement accuracy max.	+/- 1 mm
Ambient temperature	-10 up to +60 °C (without cooling)
Protection class	IP 67
Connection Gerät	plug S4 (M12) 8-pole
Connection RS 485	plug S4 (M12) 5-pole
Function display switch output	duo-LED
Status display	RGB-LED
Housing material	stainless steel
<b>Accessory (not in the scope of supply)</b>	<b>Art.-No.</b>
5 m connection cable 8- pole ST043/8-5	9850N
Adapter RS 485 on USB SIC 485U	9861B
Adapter for protection hose connection HG2 (suitable protection hoses available)	9855 B

\* referred to a target plate Oralite 5200. At an object with reflectivity 80% measuring range max. 100 m. At an object with reflectivity 6% measuring range max. 65 m.

Measuring range  
0 - 500 m  
linear



### Diagram of Connections

