



Data sheet

SERVOLASER Xpert

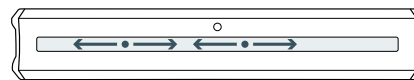
Laser projection system with movable laser modules

Features

- Free combination of red and green fixed or moving modules
- Moving ranges from 600 mm up to 2600 mm
- Class 2 laser modules with power control
- Projection accuracies from 0.18 mm at a distance of one meter
- Modules move with up to 1000 mm/s
- Interfaces for EtherNet/IP, ProfiNet and Modbus/TCP

Configurations

SERVOLASER Xpert offers movable laser lines, optionally in combination with a fixed center laser.

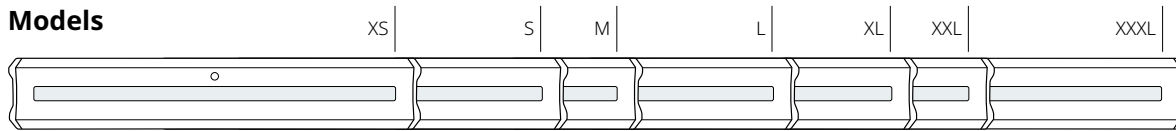


Max Range (laser modules move over the complete range)



Symmetrical (laser modules move synchronously in relation to the middle of the rail)

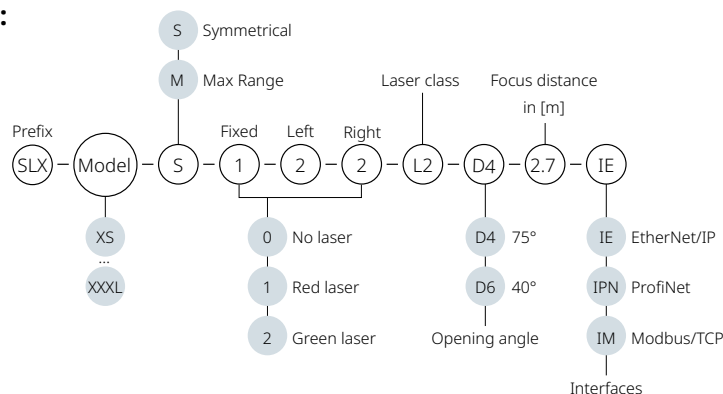
Models



	XS	S	M	L	XL	XXL	XXXL
Moving range	600 mm	1000 mm	1200 mm	1600 mm	1900 mm	2100 mm	2600 mm
Dimensions (L)	1004 mm	1424 mm	1604 mm	2024 mm	2324 mm	2504 mm	2984 mm
Dimensions (W × H)	177 × 192 mm						
Laser modules	movable laser lines, optionally in combination with a fixed center laser						
Laser color	red (635 nm), green (520 nm)						
Laser power	1–40 mW (dimmable)						
Laser class	2						
Opening angle	75°, 40° optional						
Line width	0.2–0.6 mm (FWHM) at 1–4 m focus distance						
Moving speed of modules	up to 1000 mm/s						
Projection accuracy	±0.18–±0.5 mm*						
International protection rating	IP 54						
Ambient temperature	0–40 °C						
Power supply	24 V DC						
Interfaces	EtherNet/IP, ProfiNet, Modbus/TCP						

* Depending on the travel length, projection distance 1,0–2,8 m

Product code:



LAP GmbH Laser Applikationen
 Zeppelinstr. 23
 21337 Lüneburg
 Germany

P +49 4131 95 11-95
 E info@lap-laser.com

