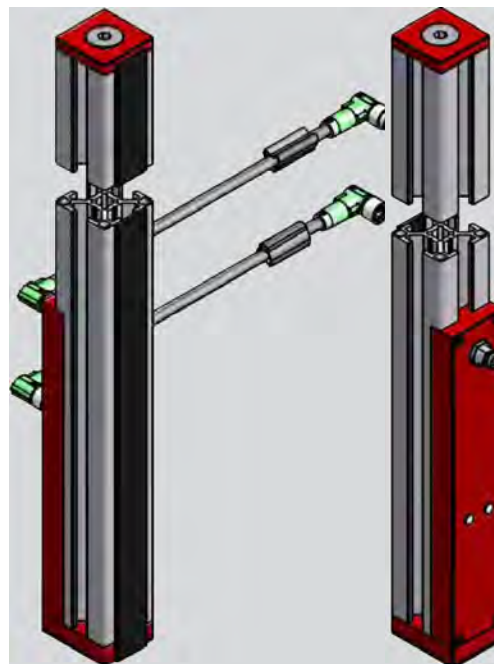
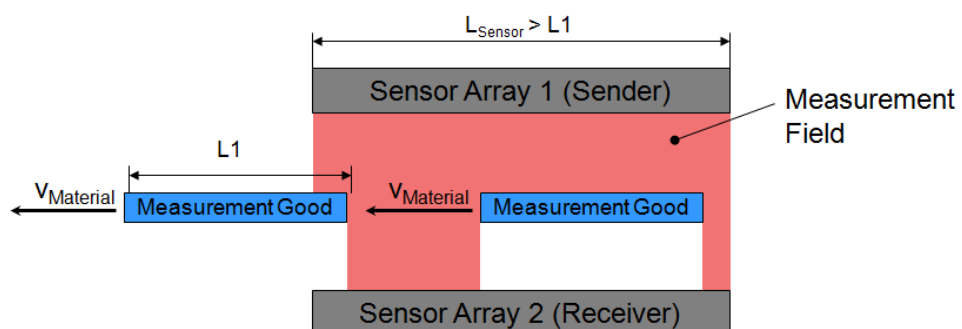


high accuracy
non-contact
maintenance free

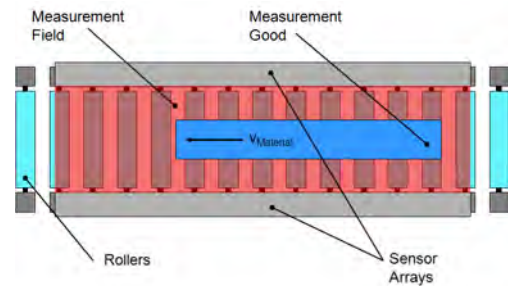


MEASUREMENT PRINCIPLE

The SLM-system is designed for highly accurate length measurement of discrete parts. With clear-cut material edges the system will achieve an accuracy of up to ± 0.1 mm/m. The SLM- system works during object movement in longitudinal direction. SLM works on every kind of material and for lengths in between 10 mm and 4 m.



Specifications



Parameter	Unit	Value	Remark
System data			
Object speed	m/s	0.01-4	v_max acc. to sensor length other lengths on demand typical 1 σ
Measurable length	m	0.01-4	
Accuracy (systematic)	mm/m	0.1	
Repeatability	mm	0.03	
Optical characteristics			
Light source		LED	
Wavelength	nm	850	
Operating range	mm	10-1000	
User interface			
Input		1 button at receiver bar	(red/green/yellow)
Control LEDs		2 x LEDs in receiver bar 2 x LEDs in transmitter bar	
Electrical characteristics			
Supply voltage	VDC	12-24	optional
Power consumption	W	5	
Connector		Binder 718 M8 4pol.	
Interface		RS-485	
Fieldbus		Profibus	
		CANopen	
		DeviceNet	
		CC-Link	
		Ethernet-IP	
		Profinet IO	
		Modbus-RTU	
Mechanical data			
Dimensions (cross section)	mm	30x30	
Weight	kg/m	1	
Mounting		via T-slot nuts	
Ambient conditions			
Ambient temperature	°C	-10 to +45	standard
Humidity		uo to 90 %, non-condensing	
IP-Class		IP60	

Sales and system integrator:

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