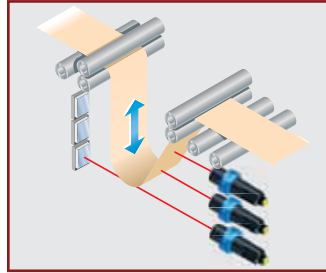
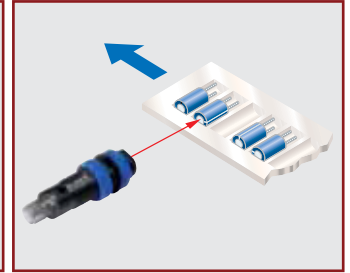




Typical Applications



Control of sag



Detection of capacitors

Technical Specifications

NPN-output	M18-LD0025-R-[M/P]-[J]	M18-LD0035-A-[M/P]-[J]
PNP output	M18-LD0025-R-[M/P]-PN-[J]	M18-LD0035-A-[M/P]-PN-[J]
Sensor type	Reflective	
	Radial	Axial
Maximum operation distance	250mm	350mm
Sensing range	0 to 250mm	0 to 350mm
Spot diameter	0.3mm at 50mm	
Sensing object	Paper, white	
	100×100mm	200×200mm
Detectable target	Opaque, translucent	
Hysteresis	< 1%	
Response time	333µs	
Output	Max. 100mA	
Emitting element	Red semiconductor laser, 650nm (class 1)	
Current consumption without load	Max. 35mA	
Material	Metal version: nickel-plated brass	
	Plastic version: PBT	
	Lens: PMMA	
Protection	IP67	
Dimensions (Ø × L)	M18 × 81.5mm	
Connection	Cable 2m or M12 connector	
Supply voltage	10 to 30VDC	
Ambient temperature	Operation: -10 to +50°C, storage: -25 to +70°C	
Weight	Cable type: approx. 75g (plastic version), approx. 110g (metal version)	
	Connector type: approx. 25g (plastic version), approx. 60g (metal version)	
• [R] = Radial • [A] = Axial • [P] = Plastic • [M] = Metal • [PN] = PNP • [J] = M12 connector		

Options

Cables

UZZ81220	UZZ81221	UZZ81250	UZZ81251
2m straight	2m elbow	5m straight	5m elbow

Mounting brackets

M18-ST20	M18-SPM

Reflector

M18-RF48