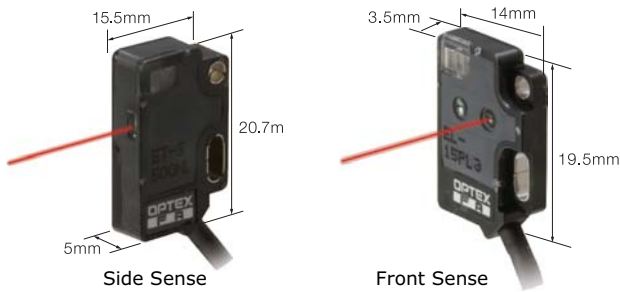




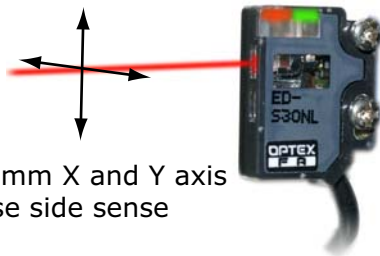
SELF CONTAINED MINIATURE SIDE AND FRONT SENSE PHOTO SENSOR

Super slim compact housing



Diffuse side sense version is only 5mm thick.
Front sense version is only 3.5mm thick.

Excellent repeat accuracy



0.05 mm X and Y axis
diffuse side sense

Operation indicator visible from front and back



Front

Back



Perfect choice for many lab automation applications including detection of translucent trays.

SPECIFICATIONS

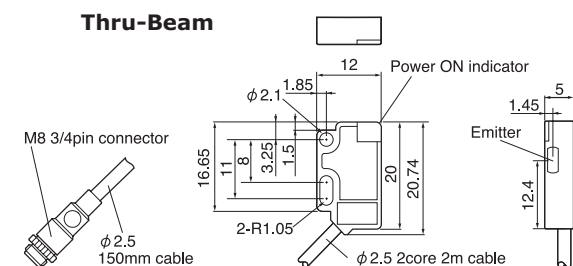
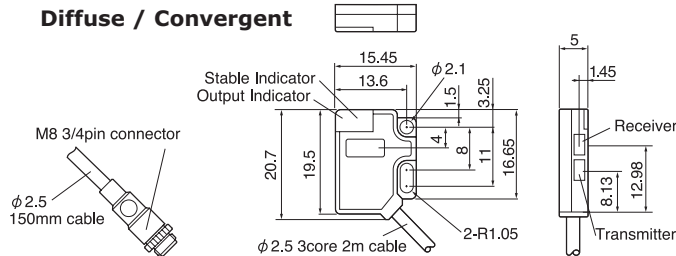
Type		E Series Side Sense		
		Thru-Beam	Diffuse	Convergent
2 Meter	Light-On	ET-S500(N/P)L	ED-S30(N/P)L	EL-S15(N/P)L
Cable	Dark-On	ET-S500(N/P)L	ED-S30(N/P)D	EL-S15(N/P)D
M8	Light-On	ET-S500(N/P)L3	ED-S30(N/P)L3	EL-S15(N/P)L3
Pigtail	Dark-On	ET-S500(N/P)D3	ED-S30(N/P)D3	EL-S15(N/P)D3
Control Output		NPN or PNP		
Sensing Distance		500mm (20")	30mm	2 ~ 15mm
Spot Size		Φ60mm @ 500mm	Φ3mm @ 30mm	Φ2mm @ 15mm
Repeat Accuracy		±0.1mm	±0.05mm	±0.05mm
Hysteresis		-	10%	
Response Time		0.25ms	0.5ms	
Supply Voltage		DC 12 to 24V ±10% inc. 10% ripple		
Power Consumption		20mA Max		
Operating Temperature		-25 up to 55° C		
Protection Category		IP67		

Type		E Series Front Sensing Models				
		Thru-Beam	Diffuse	Convergent		
2 Meter	Light-On	ET-500(N/P)L	ED-100(N/P)L	EL-08(N/P)L	EL-15(N/P)L	EL-30(N/P)L
Cable	Dark-On	ET-500(N/P)L	ED-100(N/P)D	EL-08(N/P)D	EL-15(N/P)D	EL-30(N/P)D
M8	Light-On	ET-500(N/P)L3	ED-100(N/P)L3	EL-08(N/P)L3	EL-15(N/P)L3	EL-30(N/P)L3
Pigtail	Dark-On	ET-500(N/P)D3	ED-100(N/P)D3	EL-08(N/P)D3	EL-15(N/P)D3	EL-30(N/P)D3
Control Output		NPN or PNP				
Sensing Distance		500mm (20")	100mm	3 ~ 8mm	2 ~ 15mm	5 ~ 30mm
Spot Size		Φ120mm @ .5m	Φ60mm @ 100mm	Φ10mm @ 8mm	Φ10mm @ 15mm	Φ20mm @ 30mm
Repeat Accuracy		±0.1mm	2.5mm	0.1mm	0.3mm	0.8mm
Hysteresis		-	15%	10%		15%
Response Time		0.25ms	0.5ms			
Supply Voltage		DC 12 to 24V ±10% inc. 10% ripple				
Power Consumption		20mA Max				
Operating Temperature		-25 up to 55° C				
Protection Category		IP67				

2 meter connection cable for QD version : part number M8-FS3-PVC-2M

DIMENSIONS

Side Sensing Models



Front Sensing Models

