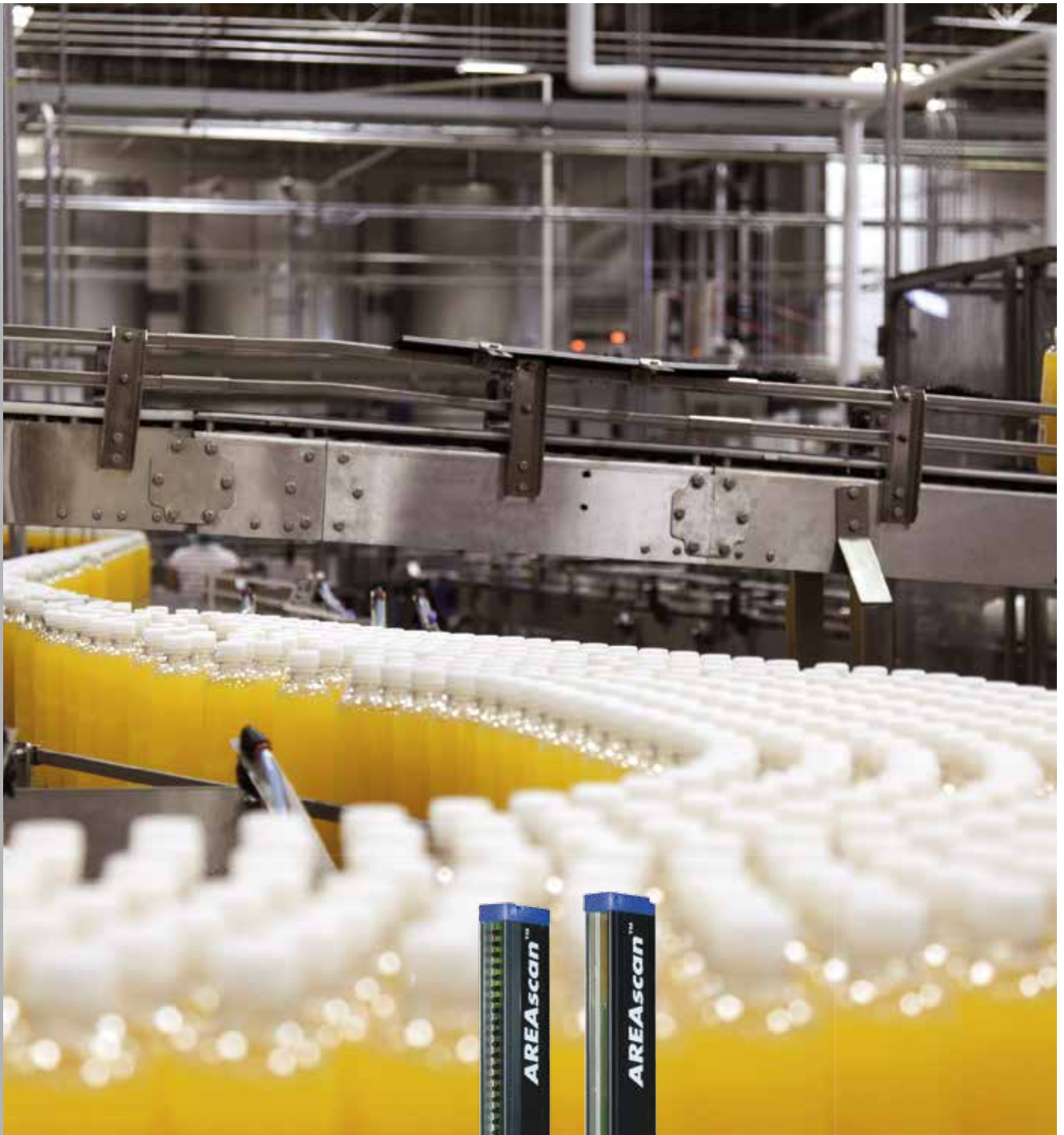


CATALOG



> Photoelectric Sensors



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SELECTION CHART

UNIVERSAL PHOTO

	TUBULAR		MINIATURE				
	S15	S50/S51	SMall	S3Z	S40	S41	S45
MAX OPERATING DISTANCE							
Through beam 	0...20 m	0...30 m  0...60 m	0...2 m	0...15 m 0...30 m 		0,1...6 m	0...15 m 0...20 m 
Retroreflective 	0,1...5 m	0,1...5 m	0,05...1,5 m				
Polarized retroreflective 	0,1...4 m	0,1...4,5 m 0,1...16 m 	0,1...1 m	0,05...4 m 0,3...10 m 	0,1...2,5 m 0,1...6 m 	0,1...2,5 m	0,1...7 m 0...2 m (coaxial) 0,1...15 m 
Retroreflective for transparent 	0,1...0,8 m	0,1...1,7 m		0...2 m	100...700 mm	100...700 mm	0...2 m
Diffuse proximity 	1...100 mm 1...350 mm 1...1000 mm	0...100 mm 0...400 mm 0...700 mm 0...350 m 		5...150 mm 0...700 mm	5...300 mm 5...150 m 	2...350 mm	0...800 mm 1...250 m 
Fixed focus 	0...50 mm	100 mm	3...15 mm 3...20 mm 3...30 mm 3...50 mm			110 mm	
Background suppression 	40...120 mm	0...100 mm		0...300 mm 0...300 m 	15...100 mm 15...60 m 		1...200 mm 3...400 mm 4...120 m 
Fiber optic 		0...100 mm (through beam) 0...30 mm (diffuse proximity)					
Contrast 		10 ±2 mm					10 ±2 mm
Luminescence 		0...20 mm					
Page	20	28	46	50	58	64	70

(*) The maximum operating distance is determined by the optic fiber and accessory lens used and the response speed selected in the specific model

The table shows the maximum operating distance reached by different sensors models. Some measures indicate only the highest performances obtained by the corresponding sensor. Other operating distance values might be available for the same series and some optic functions might be carried out through LED or LASER emission, reaching different distances. For more information refer to the dedicated product page in this guide or download datasheets and manuals from our website (www.datalogic.com)














ELECTRIC SENSORS

	COMPACT					MAXI		FIBER OPTIC		
	S100	S8	S6	S60	S62	S90	S300 PA	S300 PR	S7	S70
										
	0...12 m	0...25 m	20 m	0...20 m 0...60 m 	0...25 m	0...60 m 	0...50 m	0...60 m	0...300 mm (*)	0...1740 mm (*)
	0,01...8 m		0,1...6 m		0,1...13 m		0,1...15 m			
	0,01...3 m 0,01...5,5 m	0...5 m 0...10 m 	0,1...5 m	0,1...8 m 0...4 m (coaxial)  0,1...20 m	0,1...8 m 0,3...20 m 	0...3 m 0,1...6 m 0,1...20 m 	0,1...10 m	0,1...22 m		
		0...0,8 m 0...2 m		0...2 m (coaxial)		0...1,5 m				
	2...300 mm 2...500 mm	0...500 mm	10...900 mm 10...2000 mm	0...100 cm 0...200 cm (long range)  0...60 cm	0...900 mm 0...2000 mm  0...900 mm	10...1000 mm 50...2000 mm  0...600 mm	50...2000 m	0...5000 mm	0...100 mm (*)	0...550 mm (*)
	70 mm									
	0...100 mm	50...300 mm 20...200 mm 	10...100 mm 30...250 mm 100...500 mm	7...20 cm  5...10 cm	30...300 mm 60...600 mm 60...1200 mm 200...2000 mm 30...1500 mm  50...350 mm	20...200 mm 5...100 mm 	0,2...2 m	400...2500 mm		
		9 ±2 mm		19 mm +/- 2 mm (white)		19 ±2 mm				
		10...20 mm		0...40 mm		0...40 mm				
	78	86	94	100	110	118	128	134	140	144

r. Other
e specific

SELECTION CHART

APPLICATION PHOTOELEC

		FORK				CONTRAST	
		SR21	SR23	SRF	SRX3	TL μ	TL46
MAX OPERATING DISTANCE							
Slot (width)		2 mm	5 mm	30, 50, 80, 120 mm	4 mm		
Contrast						6...60 mm (*)	9 ±3 mm (*)
Luminescence							
Color & Contrast							
Area							
Dimensional							
Distance							
Page		162	166	170	174	178	184


(*) The maximum operating distance is determined by the lens used in the specific model

The table shows the maximum operating distance reached by different sensors models. Some measures indicate only the highest performances obtained by the corresponding sensor. Other operating distance values might be available for the same series and some optic functions might be carried out through LED or LASER emission, reaching different distances. For more specific information refer to the dedicated product page in this guide or download datasheets and manuals from our website (www.datalogic.com)

TRIC SENSORS

LUMINESCENCE	COLOR & CONTRAST	AREA	DIMENSION LIGHT GRIDS		DISTANCE			
LD-46	S65	AS1	DS1	DS2	S65-M	S80	S81	S85
								
	12...20 mm							
10...50 mm (*)								
	5...45 mm							
		0,3...3 m						
			0,15...4 m	0,3...10 m				
					0,3...5m (white 90%)	0,3...100,3 m	0,3...4 m	0,2...20 m
190	194	200	204	208	212	216	220	224

ACCESSORIES

	FIBER OPTIC	CONNECTORS	REFLECTORS
	OF/OFA	CS	R
			
Page	156	230	232