



New and Key Sensing Products

Vol. 3.0



<i>New Photoelectric Sensors</i>	<i>P.1</i>	<i>Laser Displacement Sensors</i>	<i>P.17</i>
<i>Fiber Optic Sensors</i>	<i>P.3</i>	<i>Color Identification Sensors</i>	<i>P.19</i>
<i>Miniature Photoelectric Sensors</i>	<i>P.10</i>	<i>Pattern and Edge Recognition Sensors</i> ...	<i>P.20</i>
<i>Waterproof Photoelectric Sensors</i>	<i>P.11</i>	<i>OCR Sensors</i>	<i>P.21</i>
<i>Compact Photoelectric Sensors</i>	<i>P.12</i>	<i>2D Profile Sensor and Timing Comparator</i>	<i>P.22</i>
<i>Universal Voltage Sensors</i>	<i>P.14</i>	<i>Pressure and Vacuum Sensors</i>	<i>P.23</i>
<i>Laser Sensors</i>	<i>P.15</i>	<i>Water Level and Obsolete Sensors</i>	<i>P.25</i>
<i>Digital Laser Sensors</i>	<i>P.16</i>	<i>Mounting Brackets and Reflectors</i>	<i>P.26</i>

Compact Photoelectric Sensors

BGS Series



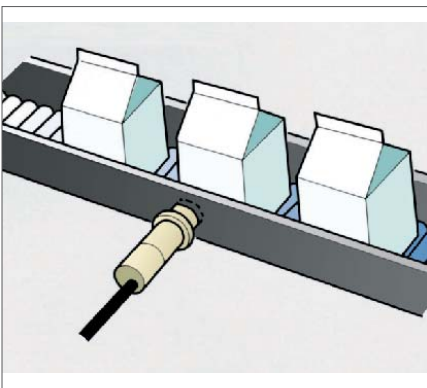
Small size BGS sensors

- Two sensing ranges, 10 ~ 100 mm and 40 ~ 300 mm (adjustable)
- Stable sensing regardless of target color
- Two turn adjustment potentiometer
- Red LED light source
- IP67 protection
- Cabled and M8 QD models
- LO / DO selectable via control wire
- NPN and PNP outputs available, 100mA rating

Type		BGS Series	
		Accurate Type	Long Distance Type
Model Number	Cable	BGS-10(N/P)	BGS-30(N/P)
	M8 QD	BGS-10C(N/P)	BGS-30C(N/P)
Sensing Range		10 mm - 100 mm	40 mm - 300 mm
Supply Voltage		10 ~ 30 VDC incl. 10% ripple	

M8 connection cable, 2 meter length - part # M8-FS4-PVC-2M

C Series



18 mm Cylindrical

- IR LED light source for reliable sensing in severe environments (CRDF Red LED)
 - 18mm threaded metal housing (NPB)
 - Epoxy filled body provides resistance to vibration and moisture
 - IP66 protection, 50g shock rating
 - Single turn adjustment potentiometer
 - Long range thru-beam model - 15 meters with test input
 - LO / DO selectable
 - NPN and PNP outputs available, 100mA rating
 - Optional right angle lens attachments turn beam 90 degrees.
- Part number: T000 (CTD and CRD), T110 (CDD-11), T400 (CDD-40)

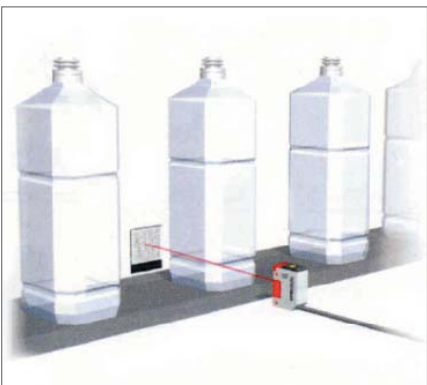


Type		Thru-beam	Retro-Reflective ⁽¹⁾ Non-Polarized	Polarized Retro-Reflective ⁽¹⁾	Diffuse Reflection Short Range	Diffuse Reflection Long Range
Model Number	Cable	CTD-1500(N/P)	CRD-300(N/P)	CRDF-100(N/P)	CDD-11(N/P)	CDD-40(N/P)
	M12 QD	CTD-1500C(N/P)	CRD-300C(N/P)	CRDF-100C(N/P)	CDD-11C(N/P)	CDD-40C(N/P)
Sensing Range		15 meter	0.05 ~ 3 meter	0.05 ~ 1 meter	110 mm	400 mm
Supply Voltage		10 ~ 30 VDC incl. 10% ripple				

(1) Includes V-61 reflector

M12 connection cable, 2 meter length - part # M12-FS4-PVC-2M

K Series



Stainless Steel Housing

- No other sensor is as tough - 100g shock rating
- Stainless steel housing provides maximum protection
- Red LED light source aids in alignment
- IP67 protection
- High electrical noise immunity
- LO / DO selectable
- Polarizing filters and slit masks available for thru-beam models
- Transparent object detection - KR-Q series
- Long range 7 meter thru-beam with test input
- NPN and PNP outputs available, 100mA rating

Type		Thru-beam	Polarized Retro-reflective ⁽¹⁾	Diffuse Reflection	Convergent	Transparent Detection - Retro-reflective ⁽¹⁾		
						Short Range	Mid Range	Long Range
Model Number	Cable	KT-700(N/P)	KR-250(N/P)	KD-40(N/P)	KD-L09(N/P)	KR-Q50(N/P)W	KR-Q150(N/P)W	KR-Q300(N/P)W
	M8 QD	KT-700C(N/P)	KR-250C(N/P)	KD-40C(N/P)	KD-L09C(N/P)	KR-Q50C(N/P)W	KR-Q150C(N/P)W	KR-Q300C(N/P)W
Sensing Range		7 meter	2.5 meter	400 mm	10 ~ 90 mm	500 mm	1.5 meter	3 meter
Supply Voltage		10 ~ 30 VDC						

(1) Includes V-61 reflector

M8 connection cable, 2 meter length - part # M8-FS4-PVC-2M