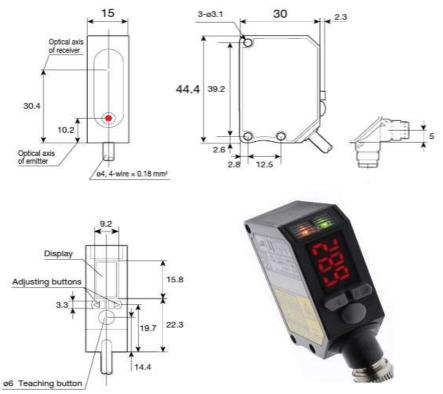
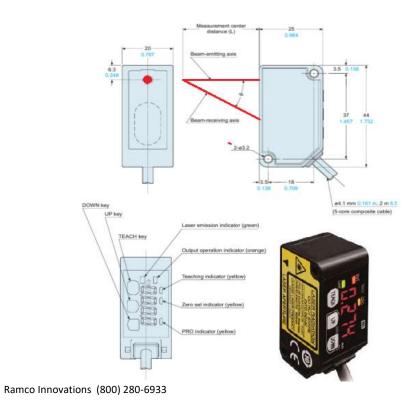
,	Optex FA	Optex FA	Panasonic	Panasonic	Panasonic	Panasonic
Part Number (brochure link)	BGS-DL10T	BGS-DL25T	HG-C1030	HG-C1050	HG-C1100	HG-C12000
Sensing Mode	Background and Foreground Suppression		Distance Measurement			
Settable Sensing Distance	40 to 100mm	100 to 250mm	25 to 35mm	35 to 65mm	65 to 135mm	120 to 280mm
Measurement Center & range			30 ±5mm	50 ±15mm	100 ±35mm	200 ±80mm
Spot Size	Ø1 mm / 100mm	Ø2 mm / 250mm	Ø50μm / 30mm	Ø70μm / 50mm	Ø120μm / 100mm	Ø300μm / 200mm
Sensing Method	C-MOS linear image sensor		C-MOS linear image sensor			
Distance Setting Type	PB Teaching and Manual Adjustment		PB Teaching and Manual Adjustment			
Digital Display	7-segment, 3-digit. threshold and a distance value		7-segment, 4-digit. Measured Value			
Teaching Modes	1-point, 2-point, Position teach		1-point, 2-point, 3-point teach			
Control Ouput	NPN or PNP by Ordering PN		NPN or PNP by Ordering PN			
Control Output Mode	Light-ON / Dark-ON		Light-ON / Dark-ON			
Repeatability	200 μm	300 μm	10 μm	30 μm	70 μm	200 μm
Control Output Timing Option	ON-delay, OFF-delay, and ONE-SHOT (adjustable - 10 sec max)		ON-delay, OFF-delay, and ONE-SHOT (5ms fixed)			
Analog Output	not available		Voltage 0 to 5VDC / Current 4 to 20mA			
Selectable External Input	Teach, laser OFF		Teach, laser OFF, trigger, and zero set			
Hysterisis	3% or less	10% or less	0.001 to 5.00 mm	0.01 to 15.00 mm	0.02 to 35.00 mm	0.1 to 80.0 mm
Response Time	1.5ms (sensitivity fixed) to 14ms (sensitivity is auto)		1.5ms/5ms/10ms			
Linearity			±0.1% F.S.		±0.2% F.S.	
Light Source	Red Semiconductor laser		Red Semiconductor laser			
Laser Class	Class 2 (IEC/JIS)		Class 2 (IEC/JIS/FDA)			
Pulse Width	300μs					
Maximium Output	1mW		1mW			
Supply Voltage	10 to 30VDC		12 to 24VDC			
connection Types	2m Cable (4 core) or QD M8 4P		2m Cable (5 core)			





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