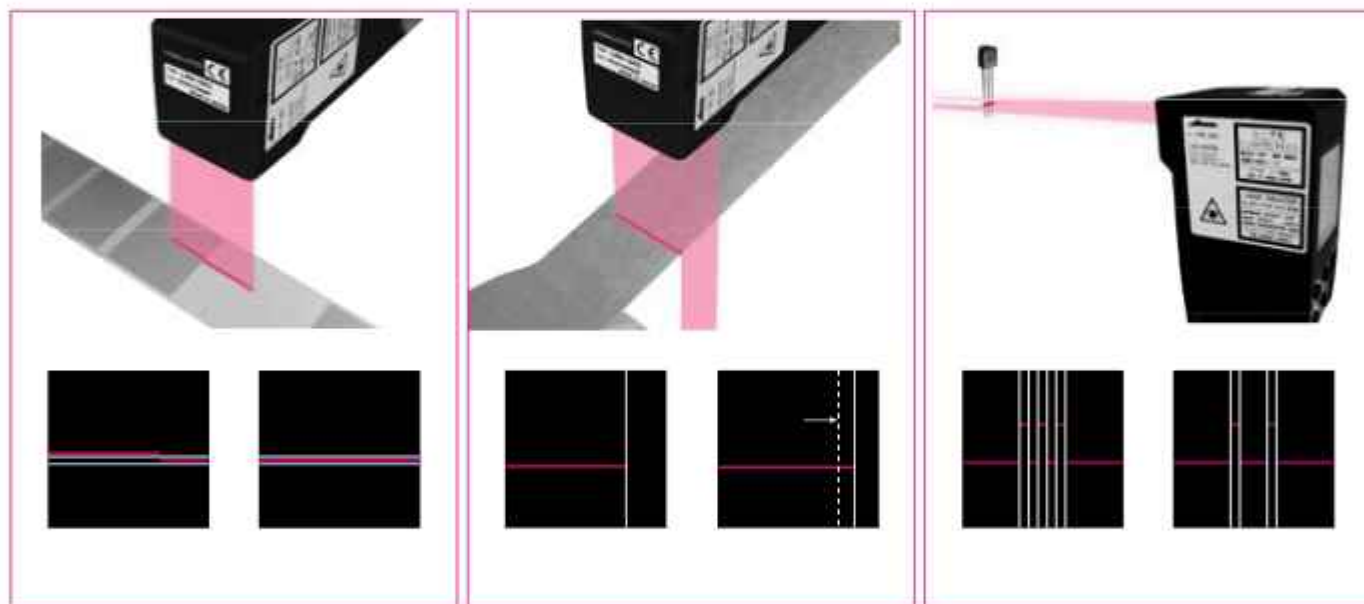




High performance with easy handling!
Possible to detect transparent object!



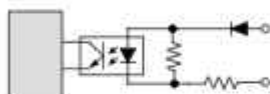
Model No.	LWA-10KC	LWA-10KA
Power source	DC12 to 24V (-5%, +10%)	
Current consumption	120mA 24V or less, 180mA 12V or less, including analog output current	
Light source	0.3mmX32mm width, Visible red semiconductor laser, JIS/IEC Class 2 (Wavelength 650nm, max.power 1mW)	
Detectable range	100±25mm	
Light-projecting area	0.3mmX32mm width	
Light-receiving area	Width 17mm/distance 75mm to width 27mm/distance 125mm	
Linearity*1	±0.5%FS (Z direction)	
Resolution*2	50 μm (Z direction)	
Sampling cycle	33msec or less	
Output	NPN open-collector output	PNP open-collector output
Control output	100mA 30VDC or less (Residual voltage 1.8V or less) 3 output	
Analog output	4 to 20mA, 24mA for out of measuring range (Load impedance 300Ω or less)	
Load dependence	±0.05%	
Temperature drift	±0.05%FS/°C	
Circuit stable time	5min or less	
Laser life	Approx. 50,000 hours (at 40°C)	

Indication lamps	Output lamp: Orange LED, Laser radiating lamp: Green LED
Ambient illuminance	Sun light: 10,000lux or less, incandescent lamp: 3,000lux or less
Ambient temperature/humidity	-10 to +40°C (-20 to +60°C when stored), 35 to 85%RH (35 to 95%RH when stored) Not icing, not condensing
Bank	8 (8 kinds of measuring condition can be registered and changed)
Window size	Possible to set (128X472 to 416X472 4 steps)
Vibration resistance	Double amplitude 1.5mm, 10 to 55Hz, each 2 hour in X, Y and Z directions
Impact resistance	490m/s ² , each 3 time in X, Y and Z directions
Protective structure	IP66 (IEC standard)
Case materials	Body: zinc diecasting/polycarbonate, projector/receiver window: glass
Weight	Approx.250g (excluding attached cable)
Accessory	Cable (2m long), screw

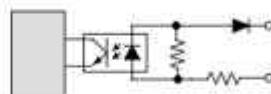
*1. Measuring object: white ceramic, [IMG GAIN]: 0.

*2. Measuring object: white ceramic at center measuring distance, [IMG GAIN]: 0.

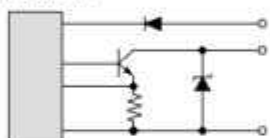
Input circuit (bank input, hold release)



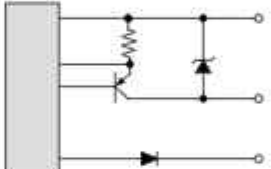
Input circuit (bank input, hold release)



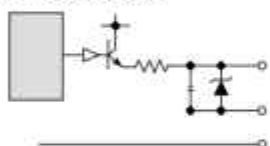
Output circuit



Output circuit



Analog output circuit



Analog output circuit

