



Optoelectronic Sensors and Isolators

OPTEK Technology manufactures a wide variety of optoelectronic sensor assemblies that support a broad range of industrial applications for sensing motion, color, and liquids. Our products are also well-suited for applications such as safety and security. OPTEK products are manufactured at the level of quality required to meet the needs of industrial applications.

Features ▶

- Reflective sensors
- Fluid sensor
- Slotted switches
- Flag switches
- LED sensor pairs

Benefits ▶

- Non-contact identification
- Long life: 10+ years
- Low power required

Applications ▶

- Security/safety
- Target identification
- Fluid recognition
- Encoding linear/rotary

Product Specifications ▶

Component Pairs	Part Number	LED Peak Wavelength (nm)	Sensor	$I_{C(OI)}$ Min./Max. (mA)	I_f Typ./Max. (mA)	VCE Typ./Max. (V)	Lead Length/Spacing	
	OPB100-EZ	880	NA	NA	20/100	NA	24"/26 AWG wire	
	OPB100-SZ	NA	Transistor	5/50	NA	5/30		
	OPB100Z*	880		50/1,800	20/50		Use Molex 03-06-2023	
	OPB856Z	935						
Fluid Sensor	Part Number	LED Peak Wavelength	Sensor	Tube Size (inch)	$I_{C(OI)}$ Ratio Typ.	I_f Typ./Max. (mA)	VCE Max. (V)	Lead Length/Spacing
	OPB350	890	Transistor	0.125	1 : 3.0	5/50	24	0.330"/0.320"
	OPB350L062			0.062				1 : 2.3
	OPB350L187			0.188	1 : 3.0			
	OPB350L250			0.25				1 : 2.3
	OPB350W062Z			0.062	1 : 3.0			
	OPB350W187Z			0.188				1 : 2.3
	OPB350W250Z			0.25				
Optoisolator	Part Number			LED	Sensor			Isolation Voltage Min. (V)
	OP11270-032	655	Photo-transistor	20	10	10/40	30	0.5
	OP11270-040							
	OP11270-080							
	OP11280-032	645						0.43
	OP11280-040							
	OP11280-080							
	OP11290-032	645	Photo-logic		Totem pole			

*OPB100Z consists of a packaged pair, OPB100EZ and OPB100SZ