



- High performance detecting ϕ 15 mm object allowing detection of bar steel and pipe

- Fully synchronized scanning
- Infrared light beams with high penetrating power allow use in adverse environment
- Light reception indicator for simple light axis alignment
- Special power unit available for use with AC power supply in addition to direct operation with DC power supply
- Wide variation of detecting widths: 150/310/470/630/950 mm
- Ensured safety with compliance to UL Standard (E-94173)

Type

Detection method	Detecting distance	Detecting width	Set model No.	No. of light axes	Operation mode	Output mode
 Through-beam type	2m	150mm	SST316	16	Dark-ON	Current output Voltage output
		310mm	SST332	32		
		470mm	SST348	48		
		630mm	SST364	64		
		950mm	SST396	96		

Cords with connector come as accessories.

Optional Parts (Separately available.)

Type	Appearance	Model	Description	Applicable transmitter/receiver
Air purge hood		F316	Air purge hood for transmitter/receiver lens ● Air flow rate: 150-200 l/min	SST316 $\frac{1}{R}$
		F332		SST332 $\frac{1}{R}$
		F348		SST348 $\frac{1}{R}$
		F364		SST364 $\frac{1}{R}$
		F396		SST396 $\frac{1}{R}$
Water-cooling jacket		WJ316	Water-cooling jacket for transmitter/receiver ● Water temperature: 20°C max. ● Water flow rate: 2 l/min min. ● Ambient temperature: 80°C or less	SST316 $\frac{1}{R}$
		WJ332		SST332 $\frac{1}{R}$
		WJ348		SST348 $\frac{1}{R}$
		WJ364		SST364 $\frac{1}{R}$
		WJ396		SST396 $\frac{1}{R}$

Rating/Performance/Specification

Model	Set model No.	SST316	SST332	SST348	SST364	SST396
	Transmitter model No.	SST316L	SST332L	SST348L	SST364L	SST396L
	Receiver model No.	SST316R	SST332R	SST348R	SST364R	SST396R
Rating/performance	Detection method	Through-beam type				
	Detecting distance	2m max.				
	Detecting object	Opaque object of ϕ 15 mm min.				
	No. of light axes	16	32	48	64	96
	Detecting width	150mm	310mm	470mm	630mm	950mm
	Light axis interval	10mm				
	Power supply	12-24V DC \pm 10% / Ripple 10% or less				
	Power consumption	70mA max.	90mA max.	110mA max.	130mA max.	170mA max.
	Output mode	Relay output Voltage output	Rating { Current output: sink current 100 mA (30 VDC) max. Voltage output: output impedance 4.7 k Ω			
	Operation mode	Dark-ON				
Response time	40ms max.					
Specification	Light source (wavelength)	Infrared LED (910nm)				
	Light-sensitive element	Photo transistor				
	Indicator	Transmitter: Power indicator (green LED) /Receiver: Light reception indicator (red LED)				
	Material	Case: aluminum				
	Connection	Connector connection Transmitter: 3-pin Receiver: 4-pin		Cord with connector Transmitter: VCT with three 0.3 mm ² cores/ 2 m Receiver: VCT with four 0.3 mm ² cores/ 2 m		
	Mass	Transmitter	1.4kg max.	2.3kg max.	3.2kg max.	4.1kg max.
	Receiver	1.4kg max.	2.3kg max.	3.2kg max.	4.1kg max.	5.9kg max.

Dimensions (in mm)

Center of field of view

D: Detection field of view

Air purge hood mounting screw

Mounting plate

Connector

Controller for SST300 Series

Model :SST300P

- Sensor power supply: 12 VDC, 2 A
- Relay output: 1c

- Dimensions of portions

Model	Section lengths					
	A	B	C	D	E	F (mounting hole spacing)
SST316	85mm	98mm	232mm	150mm	116mm	140mm
SST332	165mm	178mm	392mm	310mm	196mm	300mm
SST348	245mm	258mm	552mm	470mm	276mm	460mm
SST364	325mm	338mm	712mm	630mm	356mm	620mm
SST396	485mm	498mm	1032mm	950mm	516mm	940mm

(Only receiver is shown in the figure as an example. With transmitter, orientation of mounting bracket is reversed.)