# SST300<sub>series</sub>



- 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.

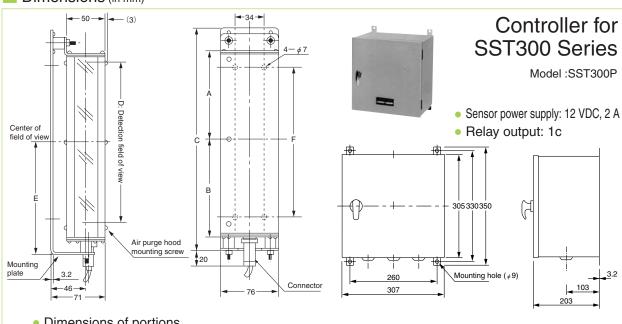
#### Optional Parts (Separately available.)

Туре	Appearance	Model	Description	Applicable transmitter/receiver
		F316	Air purge hood for transmitter/receiver lens  • Air flow rate:  150-200 l/min  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 k
		F332		SST332 k
Air purge hood		F348		SST348 k
p : 3 :		F364		SST364 k
		F396		SST396 k
		WJ316		SST316 k
		WJ332		SST332 k
Water-cooling		WJ348		SST348 k
jacket		WJ364		SST364 k
		WJ396		SST396 k

# Rating/Performance/Specification

	Se	t model No.	SST316	SST332	SST348	SST364	SST396		
	Model Tran	smitter model No.	SST316L	SST332L	SST348L	SST364L	SST396L		
	Rec	eiver model No.	SST316R	SST332R	SST348R	SST364R	SST396R		
	Detection	n method			Through-beam type				
ģ	Detecting distance		2m max.						
anc	Detecti	ng object	Opaque object of $\phi$ 15 mm min.						
rm	No. of light axes		16	32	48	64	96		
erfc	Detecting width		150mm	310mm	470mm	630mm	950mm		
d/g	Light ax	is interval	10mm						
Rating/performance	Powe	r supply	12-24V DC ±10% / Ripple 10% or less						
Ε.	Power consumption 70		70mA max.	90mA max.	110mA max.	130mA max.	170mA max.		
	Outpu	ut mode	-	Relay outpu  Rating {Current output: sink current 100 mA (30 VDC) max.  Voltage output: output impedance 4.7 kΩ					
	Operation mode			Dark-ON					
	Response time		40ms max.						
	Light source	e (wavelength)	Infrared LED (910nm)						
Light-sensitive element Photo transistor									
ion	Indi	icator	Transmitter: Power indicator (green LED) /Receiver: Light reception indicator (red LED)						
icat	Material		Case: aluminum						
Specification	Connection		Connector connection Transmitter: 3-pin Receiver: 4-pin  Cord with connector Transmitter: VCT with three 0.3 mm² cores/ 2 m Receiver: VCT with four 0.3 mm² cores/ 2 m						
	Mana	Transmitter	1.4kg max.	2.3kg max.	3.2kg max.	4.1kg max.	5.9kg max.		
	Mass	Receiver	1.4kg max.	2.3kg max.	3.2kg max.	4.1kg max.	5.9kg max.		

## Dimensions (in mm)



### Dimensions of portions

Model	Section lengths						
iviodei	А	В	С	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.)