FSD22-100P-UI

PNP+4-20mA/0-5V

Measurement Range
65-135mm

Linear Accuracy
±0.3%F.S.

Repeatability Accuracy
0.1mm

Spot Size
Φ150um

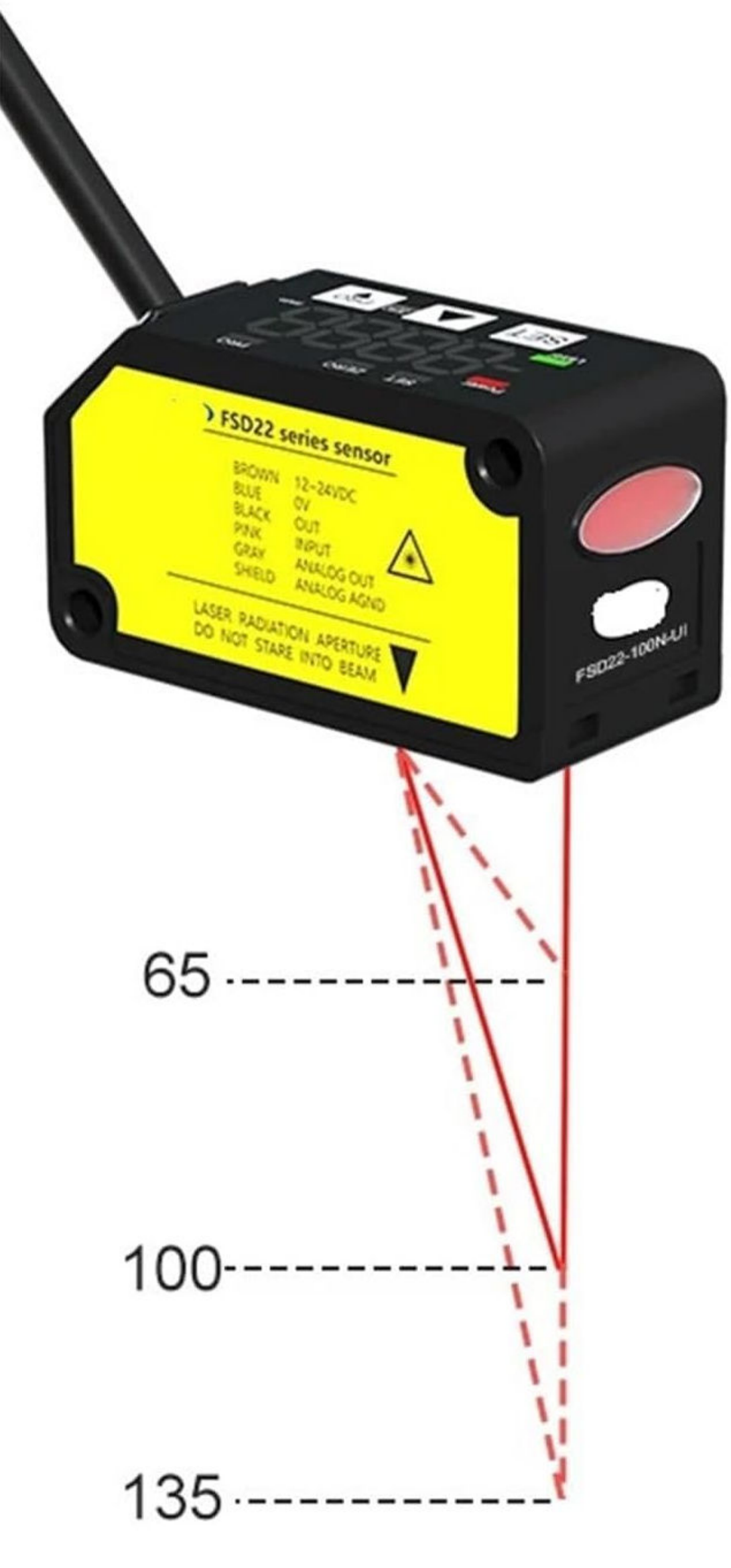
Response Time
1.5ms/5ms/10ms(optional)

unit: mm



Alternative to: Panasonic · HG-C1100P

Unit: mm



model： FSD22-100N-UI (NPN)

model: FSD22-100P-UI (PNP)

Detection scope： 65-135mm

Linear accuracy： ±0.3%F.S.

Repetitive accuracy： 0.1mm

Spot size： Φ150um

reaction time:1.5ms/5ms/10ms

Output method： 4-20mA/0-5V

NPN/PNP

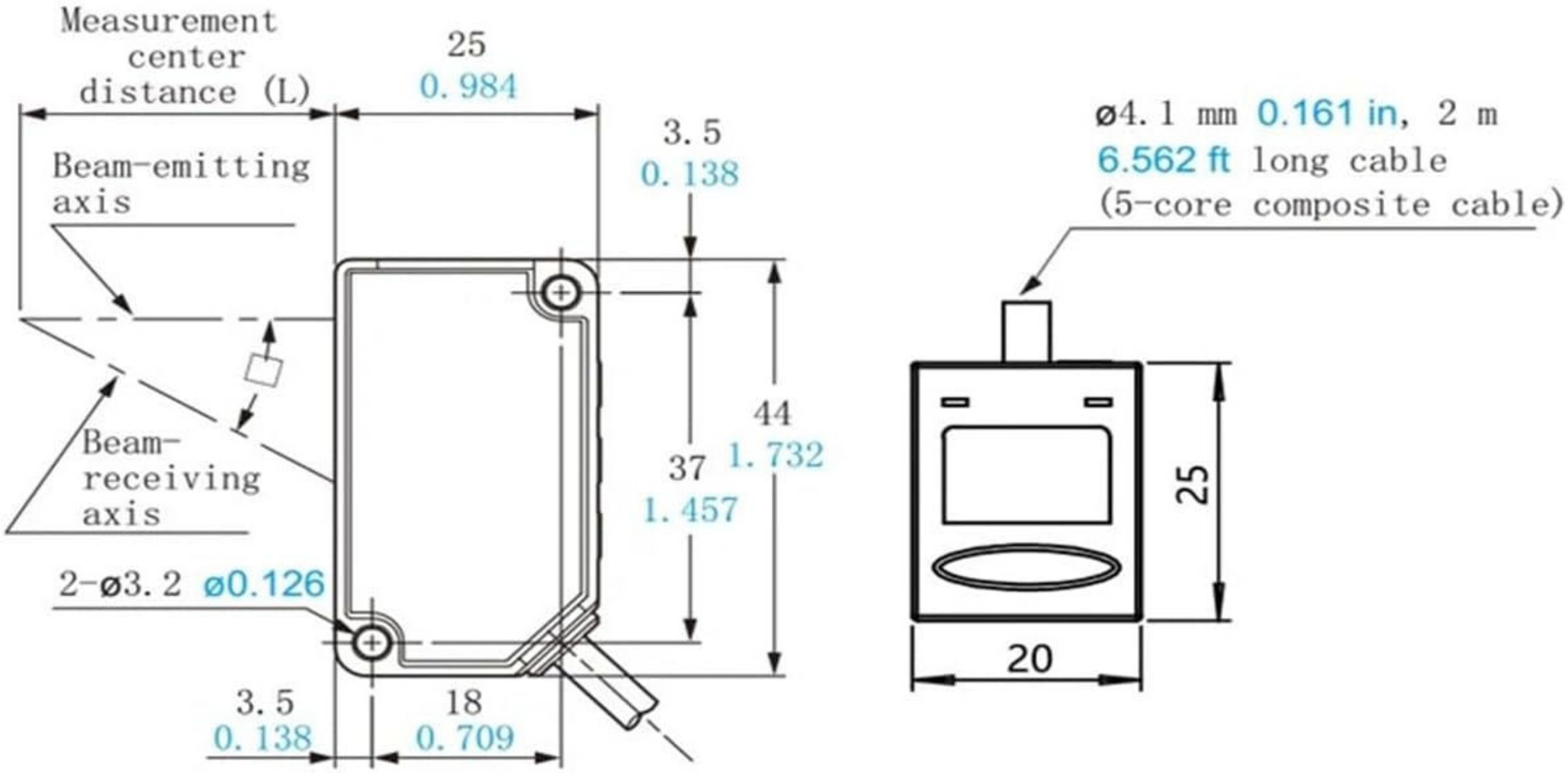
Alternative

PANASONIC · HG-C1100

Model / project	FSD22-30	FSD22-50	FSD22-100	FSD22-200	FSD22-400
Measure the distance to the center	30mm	50mm	100mm	200mm	400mm
Measuring range	±5mm	±15mm	±35mm	±80mm	±200mm
Beam diameter	aboutΦ50μm	aboutΦ70μm	aboutΦ150μm	aboutΦ300μm	aboutΦ500μm
Repeatability	10μm	30μm	100μm	200μm	400μm Detection distance 200mm-400mm 800μm Detection distance 400mm-600mm

Control the output	NPN open-collector transistors	PNP open-collector transistor
	Maximum inflow current: 50mA	Maximum inflow current: 50mA
	Applied voltage: 30vDC or less (control output between -0V)	Applied voltage: 30vDC or less (control output between -0V)
	Residual voltage: 1.5 V or less (inflow current 50 mA)	Residual voltage: 1.5 V or less (inflow current 50 mA)
	Leakage current: 0.1mA or less	Leakage current: 0.1mA or less
Output actions	ON can be switched when the light is in and ON is not in the light	
Short-circuit protection	Equipped (auto-recovery type)	
Reaction time	1.5ms/5ms/10ms switchable	
External inputs	NPN contactless input is active: ov~ +1.2VDC input impedance: about 10KΩ	
Protective structures	IP67(IEC)	
The degree of defacement	2	
Use ambient temperature	- 10°C~ +40°C (caution against condensation and freezing), storage: -20°C~ +60°C	
Use ambient humidity	35%~85%RH, when storing: 35%~85%RH	
Use ambient illumination	Incandescent lamp: 3,000x or less illumination of the receiving surface	
Use levels	2,000m or less	
cable	With 0.15mm 25-core composite cable 2m	
Material	Body shell: Aluminum casting front cover: Acrylic	
weight	Approx. 35 g (excluding cable), Approx. 85 g (including cable)	
Applicable Specifications	Compliant with EMC directives	

Product size



Model No.	Measurement center distance (L)	θ
FSD22-30	30 1.181	30°
FSD22-50	50 1.969	22.5°
FSD22-100	100 3.937	12.5°
FSD22-200	200 7.874	6.3°
FSD22-400	400 15.748	3.2□