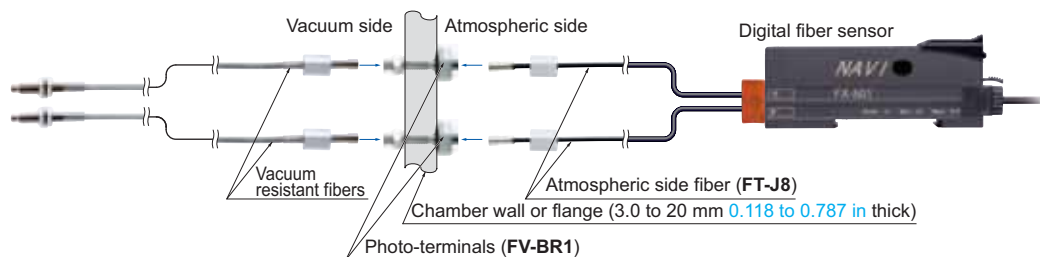
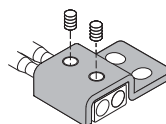


Set contents




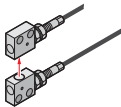
Model No. when ordering individual parts from repair parts

- Vacuum resistant fiber
FT-H30-M1V (one pair set)
FD-H30-KZ1V
FD-H30-L32V
- Photo-terminal
FV-BR1 (one pair set)
- Atmospheric side fiber
FT-J8 (one pair set)
- Mounting bracket for **FD-H30-KZ1V(-S)**
MS-FD-2



Fiber options

Lens (For thru-beam fiber)

Designation		Model No.	Description																																																		
For thru-beam type fiber	Vacuum resistant expansion lens (Note 1)	FV-LE1		Increases the sensing range 4 times or more. • Ambient temperature: -60 to +350 °C -76 to +662 °F (Note 3) • Beam axis dia: ø3.6 mm ø0.142 in Sensing range (mm in) [Lens on both sides] (Note 4)																																																	
				<table><tr><th colspan="2">Amplifier</th><th colspan="6">FX-500 series</th><th rowspan="2">FX-101□</th><th rowspan="2">FX-102□</th></tr><tr><th>Fiber</th><th>Mode</th><th>HYPR</th><th>U-LG</th><th>LONG</th><th>STD</th><th>FAST</th><th>H-SP</th></tr><tr><td rowspan="2">FT-H30-M1V-S</td><td></td><td>3,600</td><td>3,600</td><td>3,400</td><td>1,500</td><td>900</td><td>370</td><td>450</td><td>1,600</td></tr><tr><td></td><td>141.732 (Note 2)</td><td>141.732 (Note 2)</td><td>133.858</td><td>59.055</td><td>35.433</td><td>14.567</td><td>17.717</td><td>62.992</td></tr></table>								Amplifier		FX-500 series						FX-101□	FX-102□	Fiber	Mode	HYPR	U-LG	LONG	STD	FAST	H-SP	FT-H30-M1V-S		3,600	3,600	3,400	1,500	900	370	450	1,600		141.732 (Note 2)	141.732 (Note 2)	133.858	59.055	35.433	14.567	17.717	62.992					
	Amplifier		FX-500 series						FX-101□	FX-102□																																											
	Fiber	Mode	HYPR	U-LG	LONG	STD	FAST	H-SP																																													
FT-H30-M1V-S		3,600	3,600	3,400	1,500	900	370	450	1,600																																												
		141.732 (Note 2)	141.732 (Note 2)	133.858	59.055	35.433	14.567	17.717	62.992																																												
Vacuum resistant side-view lens (Note 1)	FV-SV2		Beam axis is bent by 90°. • Ambient temperature: -60 to +300 °C -76 to +572 °F (Note 3) • Beam axis dia: ø3.7 mm ø0.146 in Sensing range (mm in) [Lens on both sides] (Note 4)																																																		
			<table><tr><th colspan="2">Amplifier</th><th colspan="6">FX-500 series</th><th rowspan="2">FX-101□</th><th rowspan="2">FX-102□</th></tr><tr><th>Fiber</th><th>Mode</th><th>HYPR</th><th>U-LG</th><th>LONG</th><th>STD</th><th>FAST</th><th>H-SP</th></tr><tr><td rowspan="2">FT-H30-M1V-S</td><td></td><td>3,600</td><td>3,600</td><td>3,400</td><td>1,500</td><td>900</td><td>370</td><td>450</td><td>1,600</td></tr><tr><td></td><td>141.732 (Note 2)</td><td>141.732 (Note 2)</td><td>133.858</td><td>59.055</td><td>35.433</td><td>14.567</td><td>17.717</td><td>62.992</td></tr></table>								Amplifier		FX-500 series						FX-101□	FX-102□	Fiber	Mode	HYPR	U-LG	LONG	STD	FAST	H-SP	FT-H30-M1V-S		3,600	3,600	3,400	1,500	900	370	450	1,600		141.732 (Note 2)	141.732 (Note 2)	133.858	59.055	35.433	14.567	17.717	62.992						
Amplifier		FX-500 series						FX-101□	FX-102□																																												
Fiber	Mode	HYPR	U-LG	LONG	STD	FAST	H-SP																																														
FT-H30-M1V-S		3,600	3,600	3,400	1,500	900	370	450	1,600																																												
		141.732 (Note 2)	141.732 (Note 2)	133.858	59.055	35.433	14.567	17.717	62.992																																												

Notes: 1) Be careful when installing the thru-beam type fiber equipped with the lens, as the beam envelope becomes narrow and alignment is difficult.

2) The fiber cable length practically limits the sensing range.

3) Refer to P.26 for the ambient temperature of fibers to be used in combination.

4) The fiber cable length for the **FT-H30-M1V-S** is 1 m **3.281 ft**. The sensing ranges in HYPR, U-LG and LONG of **FX-500** series, in **FX-102□** take into account the length of the **FT-J8** atmospheric side fiber.