

# Information of Discontinued Models

Thru-beam type fiber • Reflective type fiber  
(Some vacuum resistant fiber models)

Order cut-off date:

30 Sep 2006

Date of production discontinuance: 31 Mar 2007

## Advantages of switching to recommended replacements

### Improved heat resistance

The heat-resistant temperature for discontinued models is +120 °C +248 °F, but the recommended replacements can be used in environments where the temperature reaches up to +300 °C +572 °F.

### Highly resistant to repeated bending

Because it has a bending durability of over 100,000 times (at R20 mm R0.787 in), it is highly resistant to repeated bending and is optimal for mounting on moving parts such as robot arms.



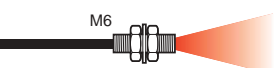

### Compact routing in space way

We've realized an allowable bending radius of R18 mm R0.709 in. (Discontinued models are R30 mm R1.181 in / R200 mm R7.874 in.) They can be routed easily and space savings can be achieved.

## Main points of difference between recommended replacements and discontinued models

Discontinued models	Recommended replacements	Main points of difference from discontinued models
<ul style="list-style-type: none"> <li>Vacuum resistant thru-beam type fiber</li> </ul>	<ul style="list-style-type: none"> <li>Vacuum resistant thru-beam type fiber</li> </ul>	
Model No.	Model No.	
FT-6V	FT-H30-M1V-S	<ul style="list-style-type: none"> <li>The recommended replacements have a sensing range of 250 mm 9.843 in (FX-301 in LONG mode).</li> <li>The recommended replacements are supplied with an FV-BR1 photo-terminal and an FT-J8 atmospheric side fiber as accessories.</li> </ul>
FT-60V		
<ul style="list-style-type: none"> <li>Vacuum resistant reflective type fiber</li> </ul>	<ul style="list-style-type: none"> <li>Vacuum resistant reflective type fiber</li> </ul>	
Model No.	Model No.	
FD-6V	FD-H30-KZ1V-S (Note 1)	<ul style="list-style-type: none"> <li>The recommended replacements have a sensing range of 20 to 200 mm 0.787 to 7.874 in (FX-301 in LONG mode).</li> <li>The recommended replacements are supplied with an FV-BR1 photo-terminal and an FT-J8 atmospheric side fiber as accessories.</li> </ul>
<ul style="list-style-type: none"> <li>Atmospheric side fiber</li> </ul>	<ul style="list-style-type: none"> <li>Atmospheric side fiber</li> </ul>	<p>Note: The discontinued model (FD-6V) has shape of fiber head of M6. Recommended replacements (FD-H30-KZ1V-S) have a square-shaped tip.</p> <ul style="list-style-type: none"> <li>The recommended replacements have a sensing range of 20 to 200 mm 0.787 to 7.874 in (FX-301 in LONG mode).</li> <li>The FT-J8 atmospheric side fiber is included as an accessory with the FT-H30-M1V-S and the FD-H30-KZ1V-S.</li> </ul>
Model No.	Model No.	
FT-J6	FT-J8	

## Shape of fiber head

Type	Discontinued models		Recommended replacements	
	Shape of fiber head (mm in)	Model No.	Shape of fiber head (mm in)	Model No.
Thru-beam type fiber	Lens mountable (FV-LE1) 	FT-6V FT-60V	Lens mountable (FV-LE1, FV-SV2) 	FT-H30-M1V-S
Reflective type fiber		FD-6V	W9.5 × H5.2 × D15 W0.374 × H0.205 × D0.591 	FD-H30-KZ1V-S

Refer to 'Sensor general catalog '03-'04 or SUNX website: <http://www.sunx.co.jp/> for details.