

# 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.



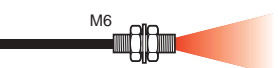

### Compact routing in space way

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> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FT-6V</b></td></tr> <tr><td><b>FT-60V</b></td></tr> </table>	Model No.	<b>FT-6V</b>	<b>FT-60V</b>	<ul style="list-style-type: none"> <li>Vacuum resistant thru-beam type fiber</li> </ul> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FT-H30-M1V-S</b></td></tr> </table>	Model No.	<b>FT-H30-M1V-S</b>	<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 <b>FV-BR1</b> photo-terminal and an <b>FT-J8</b> atmospheric side fiber as accessories.</li> </ul>
Model No.							
<b>FT-6V</b>							
<b>FT-60V</b>							
Model No.							
<b>FT-H30-M1V-S</b>							
<ul style="list-style-type: none"> <li>Vacuum resistant reflective type fiber</li> </ul> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FD-6V</b></td></tr> </table>	Model No.	<b>FD-6V</b>	<ul style="list-style-type: none"> <li>Vacuum resistant reflective type fiber</li> </ul> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FD-H30-KZ1V-S (Note 1)</b></td></tr> </table>	Model No.	<b>FD-H30-KZ1V-S (Note 1)</b>	<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 <b>FV-BR1</b> photo-terminal and an <b>FT-J8</b> atmospheric side fiber as accessories.</li> </ul> <p>Note: The discontinued model (<b>FD-6V</b>) has shape of fiber head of M6. Recommended replacements (<b>FD-H30-KZ1V-S</b>) have a square-shaped tip.</p>	
Model No.							
<b>FD-6V</b>							
Model No.							
<b>FD-H30-KZ1V-S (Note 1)</b>							
<ul style="list-style-type: none"> <li>Atmospheric side fiber</li> </ul> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FT-J6</b></td></tr> </table>	Model No.	<b>FT-J6</b>	<ul style="list-style-type: none"> <li>Atmospheric side fiber</li> </ul> <table border="1"> <tr><td>Model No.</td></tr> <tr><td><b>FT-J8</b></td></tr> </table>	Model No.	<b>FT-J8</b>	<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 <b>FT-J8</b> atmospheric side fiber is included as an accessory with the <b>FT-H30-M1V-S</b> and the <b>FD-H30-KZ1V-S</b>.</li> </ul>	
Model No.							
<b>FT-J6</b>							
Model No.							
<b>FT-J8</b>							

## 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) 	<b>FT-6V</b>  <b>FT-60V</b>	Lens mountable (FV-LE1, FV-SV2) 	<b>FT-H30-M1V-S</b>
Reflective type fiber		<b>FD-6V</b>	W9.5 × H5.2 × D15 W0.374 × H0.205 × D0.591 	<b>FD-H30-KZ1V-S</b>

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