FiMO: Fiber Monitoring System

Fiber Monitoring system (FiMO) provides trouble shooting and preventive maintenance monitoring fiber network 24 hours a day constantly. Fujikura releases new Optical Test Unit(OTU) suitable for limited area/in premise such as Datacenter. New OTU can operate without Management Server and User can install system easily by minimum settings.

**Hardware Image**

**Features**
- Standalone Operation without Server
- Embedded Optical Switch (SC Type : 48 Ports)
- One Click Test Starting
- Easy Installation and Configuration
- Mail Sending function
- WEB browser Operation
- Rack Mount (2U Size)
- SSD storage embedded (No Hard Disk)

**Easy Installation and Configuration**
User can install OTU and configure by themselves because installation and configuration are very easy and user friendly. Automatic Test for testing fiber routes is able to start by one-click operation

**Low Initial Introduction Cost**
FiMO Server managing OTUs is not required. The initial introduction cost is drastically decreased because User does not need to purchase FiMO Software Licenses and prepare Server hardware/related software.

**Application**
- Example1) Monitoring between NOC
- Example2) Monitoring between DC/Premise
- Example3) Monitoring in DC/Premise

Latest information also available on the internet
URL: [www.fujikura.co.jp](http://www.fujikura.co.jp)
For Enquiry E-mail: [fjk.ftth@jp.fujikura.com](mailto:fjk.ftth@jp.fujikura.com)
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## Configuration Materials

<table>
<thead>
<tr>
<th>Items</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical Test Unit (iOTU Series)</td>
<td>Including 1 Software License for OTU Control</td>
</tr>
</tbody>
</table>

## Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Dark Fiber Monitoring Type</th>
<th>Active Fiber Monitoring Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength Type</td>
<td>1550+/-25nm</td>
<td>1650+/-5nm</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>3ns to 20µs</td>
<td></td>
</tr>
<tr>
<td>Dynamic Range (Pulse Width: 20µs Typical)</td>
<td>50dB (Excluding Optical Switch Loss)</td>
<td>40dB (Excluding Optical Switch Loss)</td>
</tr>
<tr>
<td>Optical output port number</td>
<td>48Ports (SC/APC Type)</td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>LAN : 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VGA : 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>USB 2.0 : 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optical Output : 48</td>
<td></td>
</tr>
<tr>
<td></td>
<td>External OFS Connector : 1</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>AC100-240V Type or DC-48V Type</td>
<td></td>
</tr>
<tr>
<td>Power consumptions (Typical)</td>
<td>30W</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>2U Size (Rack Mount)</td>
<td></td>
</tr>
</tbody>
</table>

## Option

<table>
<thead>
<tr>
<th>Items</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>FiMO Server Software</td>
<td>Management server installed FiMO Server Software is required for large volume monitoring case.</td>
</tr>
<tr>
<td>External Optical Fiber Selector</td>
<td>100ports (SC/APC) 2U Size</td>
</tr>
<tr>
<td></td>
<td>Connected to External OFS terminal of iOTU</td>
</tr>
<tr>
<td>Optical Component for Active Fiber Monitoring</td>
<td>WDM Filter Module or Chassis</td>
</tr>
<tr>
<td></td>
<td>Cut Filter</td>
</tr>
</tbody>
</table>

Specifications and descriptions are subject to change without prior notice.

## Software Screen

- Red color indicating Alarm generation
- Alarm Message is displayed after alarm detection
- OTDR Trace display

## Installation Image

* This configuration is case of Dark Fiber Monitoring.