



1100 Single Fiber Aligner

Fast, low loss temporary splices with no instrument feedback

The 1100 Single Fiber Aligner uses patented fiber alignment concepts to produce virtually instantaneous temporary couplings for OTDR, dispersion, or any other optical fiber or component test that requires a fiber-to-fiber connection. It delivers low loss, low reflectance couplings on the first try virtually every time, without the need for test instrument feedback. As a result, temporary coupling times are minimized and manufacturing costs are reduced without compromising product quality.



Features and Benefits

High Speed Couplings

- No instrument feedback required
- Virtually eliminates instrument downtime

Low Loss and Reflectance

- Maximizes instrument dynamic range and measurement accuracy

High Stability

- Enables accurate OTDR-based measurement of mode field diameter

Specifications

	Guaranteed	Typical
Coupling Loss ¹	< 1 dB	< 0.5 dB
Coupling Reflectance ¹	< -40 dB	< -50 dB
Coupling Stability (40 seconds)	< 0.03 dB	< 0.01 dB
First Time Coupling Success ¹	> 98%	
Coupling Speed (including fiber prep)	< 20 seconds	

Notes

1. For standard single-mode fibers complying with EIA/TIA, IEC and ITU-T