

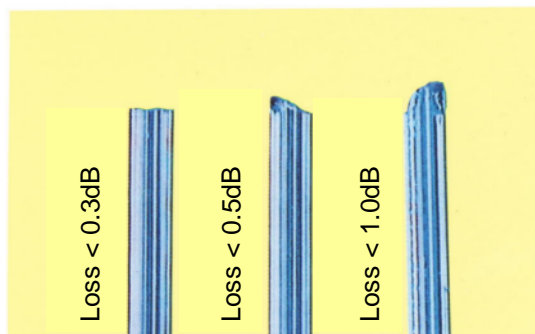
# HU-125 Bare Fiber Alignment Module

## Quick and easy to use - just break and plug

**APPLICATIONS:** The HU-125 Bare Fiber Alignment Module (also known as Multipurpose Pigtail) is an excellent tool for connecting to bare fibers for measuring the characteristics of optical fibers • It is designed for singlemode (SM) or multimode (MM) bare fiber and can be connected easily and quickly, in around a second • Index matching oil is used, and the unit's typical insertion loss is less than 0.3dB • Under the premise of 'time is money', the HU-125 is a great cost-saver - an outstanding feature of the device is that it provides rapid as well as accurate measurements • Applications include connecting bare fibres to OTDR equipment, chromatic dispersion test sets, sources, detectors, transmitters, receivers, power meters, and fiber phones (for example for communicating during the installation of fiber cable) • The HU-125 may be used in laboratories, factories, and outdoor installations • The round base is magnetic to help to conveniently secure the unit •



*Every kind of fiber end has a low alignment loss:*



*The above photo shows an SM unit with SC/APC connector*

**SPECIFICATIONS:** Fiber Diameter: 125 +/-2  $\mu\text{m}$   
Insertion Loss: typically < 0.3dB  
Alignment Time: approx. 1 sec  
Number of Insertions: > 10,000  
Reflection Loss: typically > 50dB  
Operating Temperature Range: -10°C to 50°C.  
Bare Fiber Ends do not need special cutting tools - the fiber can be broken by hand or cut with scissors, although specialist fiber cutters give lowest insertion losses (refer to picture for examples).  
HU-125-SM with FC/UPC or SC/APC with approx. 1.4 meters of cable are the standard singlemode units (9/125  $\mu\text{m}$  fiber). Singlemode connector options include FC and SC, with either UPC or APC.  
HU-125-MM (multimode unit) is available with 62.5/125  $\mu\text{m}$  or 50/125  $\mu\text{m}$  graded index (GI) fiber and has approx. 1.4 metres of cable. Multimode connector options include FC/PC and ST/PC.  
A cable length of approx. 3 meters is optionally available for all singlemode and multimode units.  
An HU/125/80 option incorporates a cable with 80  $\mu\text{m}$  diameter fiber for measurements on 80  $\mu\text{m}$  bare fibers.  
The HU-125 comes with index matching oil, cleaning brush, needle, cleaning wires, and manual.

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