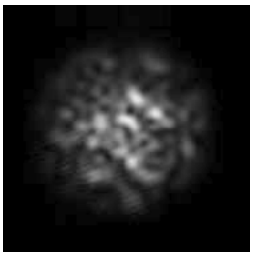
The Fiber Shaker

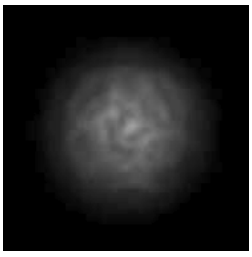
- Smaller size (same as MPX)
- Dual fiber inputs: OM1 and OM2
- Low noise
- Light weight
- Shake frequency of 10Hz

Arden's Modal Explorer makes measurement of Encircled Flux easy and accurate, and it complies with international standards. But if you are measuring laser-based transmission light sources for multi-mode systems you may need to use a test jumper assembly and fiber shaker in order to avoid "speckle". Industry standards, for example IEEE 802.3aq and FOTP–203, call for the use of a mechanical fiber shaker.

The Arden Fiber Shaker reduces speckle by changing the differential path length of the modes in the fiber. The fiber is shaken continuously to allow the speckle to be averaged out. This will ensure sufficient repeatability for the measurement of the Encircled Flux.



Light source output without shaker



Light source output with Shaker

Technical Specification

Fiber Types	OM1 (62.5/125 GI) and OM2 (50/125 GI)
Input & Output Connectors	FC/PC
Frequency of Shaking	10Hz
Insertion Loss	<1dB
Size	260mm (W) x 270mm (D) x 90mm (H)
Weight	1.9Kg
Power	External switched mode power supply. Requirements: 90 – 240V, <500mA, <50W
Operating Temperature	+5 to +40ºC
Storage Temperature	-10 to +50ºC

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