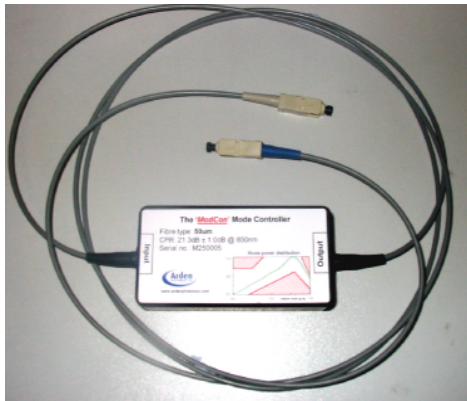


The **ModCon** Mode Controller

Manufactured by



Connect a **ModCon** to your light source and

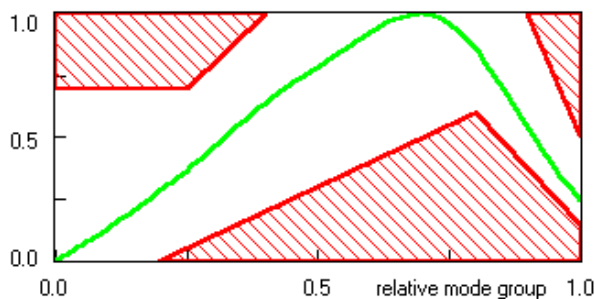
- Improve your measurement accuracy
- Ensure stable launch conditions for multimode fibre measurements

Measurements of loss and bandwidth in multimode fibres are known to be highly dependent on the modal condition of the light source used for the measurement. For example, OTDR and LS/PM loss measurements can differ significantly simply because an OTDR uses a laser source and not an LED.

Now there is a way to dramatically improve agreement AND ensure you meet international standards at the same time - the **ModCon**. The **ModCon** is a passive device which ensures that the correct launch conditions are achieved independent of the light source used. This results in more accurate measurements, better agreement between different test sets, and compliance with the draft of ISO/IEC 14763-3. Every **ModCon** is tested using an MPX-1 Modal Explorer to ensure that its output meets the standard regardless of the modal distribution of the input.

Simply fit the **ModCon** between the test set and the Fibre Under Test.

Typical Mode Power Distribution of ModCon with 50um fibre (green) showing draft IEC template (red)



Technical Specification

- Conforms to draft ISO/IEC 14763-3
- Insertion loss at 850nm
 - 50um < 3.0 dB
 - 62.5um < 3.0 dB

Ordering information

To order a ModCon use a product code of the form below

MC - XX - DD - X

where	XX	is connector type	SC or ST
	DD	is fibre core size	50 = 50 um core 62 = 62.5um core
	X	see note below	L or S

Note Both types have a 2.5m output tail but the L type has 100m of fibre inside the box, so giving a combined OTDR lead-in fibre and launch controller.

e.g. **MC - SC - 50 - L**

Other connector types are available – contact Arden Photonics Ltd for details

For world-wide sales contact

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