



# OTDR Launch Boxes

- Improve OTDR measurement accuracy
- Available with "ModCon" launch conditioning to allow compliance with EF requirements of IEC 61280-4-1
- Rugged carrying case for long lifetime in field or factory
- Available in 09/125 SM, 50/125 MM, 62.5/125MM
- Removable metal top plate exposes splice tray so user can replace input and output leads (Fusion splicer required)



When measuring fiber optic cables using an OTDR, a launch box helps to minimize the effects of the OTDR's launch pulse thus improving the accuracy of the measurement. Our high quality launch boxes come in two housing formats:

- Rugged "PELI" box versions are airtight, watertight and incredibly tough. These military approved cases are IP65 rated and are used in the harshest environments. Select this version if you want the best protection for your lead-in fiber.
- ABS "Midi" style enclosure is slightly larger than the "Euro" for longer fiber lengths.
- Aluminium "EuroCard" enclosure is smaller, lighter than the PELI case offering an ideal solution for factory or lab environments where space is at a premium.

We can supply a range of products in different fiber types including versions with "ModCon" mode control to enable your OTDR to meet the Encircled Flux launch condition requirement in IEC 61280-4-1.

All our boxes come with a full test certificate and 1 year warranty (except damaged connectors).

## Technical Specification



	"Peli" Style	"Midi" Style	"Euro" Style
<b>Size</b>	232 x 192 x 111 mm 9.25 x 7.75 x 4.5 in	155 x 240 x 35 mm 6.0 x 9.5 x 1.45 in	166 x 105 x 33 mm 6.5 x 4.1 x 1.3 in
<b>Input &amp; Output Leads</b>	3mm jacketed, aramid yarn strength member, 1m long	3mm jacketed, aramid yarn strength member, 1m long	3mm jacketed, aramid yarn strength member, 1m long
<b>Weights</b>	1.3 kg (3.0 lb)	0.5kg (1.1 lb)	0.5kg (1.1 lb)
<b>Operating Temperature</b>	-40°C to +55°C	0°C to +40°C	0°C to +40°C
<b>ROHS Compliant</b>	Yes	Yes	Yes
<b>Case</b>	Polypropylene copolymer; IP65 rated	ABS	Aluminum alloy
<b>Typical Loss</b>	< 0.5dB @ 1310nm with 1km sm fiber	< 0.5dB @ 1310nm with 1km sm fiber	< 1.0dB @ 1310nm with 200m mm fiber

Manufactured by  
Arden Photonics Ltd

Arden Photonics Ltd,  
Royston House, 267 Cranmore Boulevard,  
Shirley, Solihull, B90 4QT, UK  
+44 (0)121 733 7721

Arden Photonics, LLC,  
4500 140th Avenue North, Suite 101,  
Clearwater, FL 33762, USA  
+1 (727)478-2651

www.ardenphotonics.com  
enquiries@ardenphotonics.com



# OTDR Launch Boxes

## Ordering Information

OTDR lead-in boxes in "PELI" case	Single Mode
ALB-09-0500-FC/FC-P	OTDR lead-in box, containing 500m of 09/125 fiber with FC connectors, in "Peli" case.
ALB-09-0500-FCAPC/FCAPC-P	OTDR lead-in box, containing 500m of 09/125 fiber with FCAPC connectors, in "Peli" case.
ALB-09-0500-SC/SC-P	OTDR lead-in box, containing 500m of 09/125 fiber with SC connectors, in "Peli" case.
ALB-09-0500-SCAPC/SCAPC-P	OTDR lead-in box, containing 500m of 09/125 fiber with SCAPC connectors, in "Peli" case.
ALB-09-1000-FC/FC-P	OTDR lead-in box, containing 1000m of 09/125 fiber with FC connectors, in "Peli" case.
ALB-09-1000-FCAPC/FCAPC-P	OTDR lead-in box, containing 1000m of 09/125 fiber with FCAPC connectors, in "Peli" case.
ALB-09-1000-SC/SC-P	OTDR lead-in box, containing 1000m of 09/125 fiber with SC connectors, in "Peli" case.
ALB-09-1000-SCAPC/SCAPC-P	OTDR lead-in box, containing 1000m of 09/125 fiber with SCAPC connectors, in "Peli" case.
ALB-09-2000-FC/FC-P	OTDR lead-in box, containing 2000m of 09/125 fiber with FC connectors, in "Peli" case.
ALB-09-2000-FCAPC/FCAPC-P	OTDR lead-in box, containing 2000m of 09/125 fiber with FCAPC connectors, in "Peli" case.
ALB-09-2000-SC/SC-P	OTDR lead-in box, containing 2000m of 09/125 fiber with SC connectors, in "Peli" case.
ALB-09-2000-SCAPC/SCAPC-P	OTDR lead-in box, containing 2000m of 09/125 fiber with SCAPC connectors, in "Peli" case.

OTDR lead-in boxes in "MIDI" case	Single Mode
ALB-09-0500-FC/FC-M	OTDR lead-in box, containing 500m of 09/125 fiber with FC connectors, in "MIDI" case.
ALB-09-1000-FC/FC-M	OTDR lead-in box, containing 1000m of 09/125 fiber with FC connectors, in "MIDI" case.
ALB-09-2000-FC/FC-M	OTDR lead-in box, containing 2000m of 09/125 fiber with FC connectors, in "MIDI" case.

OTDR lead-in boxes in "PELI" case	Multi Mode
ALB-50-100-SC/SC-P	OTDR lead-in box, containing 100m of 50/125 multimode fiber with SC connectors, in "Peli" case.
ALB-50-100-SC/SC-P-MC	OTDR lead-in box, containing 100m of 50/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.
ALB-50-250-SC/SC-P	OTDR lead-in box, containing 250m of 50/125 multimode fiber with SC connectors, in "Peli" case.
ALB-50-250-SC/SC-P-MC	OTDR lead-in box, containing 250m of 50/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.
ALB-50-500-SC/SC-P	OTDR lead-in box, containing 500m of 50/125 multimode fiber with SC connectors, in "Peli" case.
ALB-50-500-SC/SC-P-MC	OTDR lead-in box, containing 500m of 50/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.
ALB-62-100-SC/SC-P	OTDR lead-in box, containing 100m of 62.5/125 multimode fiber with SC connectors, in "Peli" case.
ALB-62-100-SC/SC-P-MC	OTDR lead-in box, containing 100m of 62.5/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.
ALB-62-250-SC/SC-P	OTDR lead-in box, containing 250m of 62.5/125 multimode fiber with SC connectors, in "Peli" case.
ALB-62-250-SC/SC-P-MC	OTDR lead-in box, containing 250m of 62.5/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.
ALB-62-500-SC/SC-P	OTDR lead-in box, containing 500m of 62.5/125 multimode fiber with SC connectors, in "Peli" case.
ALB-62-500-SC/SC-P-MC	OTDR lead-in box, containing 500m of 62.5/125 multimode fiber with SC connectors, in "Peli" case. With "ModCon" mode controller.



# OTDR Launch Boxes

## Ordering Information

### OTDR lead-in boxes in "EuroCard" enclosure – multimode

<b>ALB-50-100-SC/SC-E</b>	OTDR lead-in box, containing 100m of 50/125 multimode fiber with SC connectors, in "EuroCard" case.
<b>ALB-50-100-SC/SC-E-MC</b>	OTDR lead-in box, containing 100m of 50/125 multimode fiber with SC connectors, in "EuroCard" case. With "ModCon" mode controller.
<b>ALB-50-250-SC/SC-E</b>	OTDR lead-in box, containing 250m of 50/125 multimode fiber with SC connectors, in "EuroCard" case.
<b>ALB-50-250-SC/SC-E-MC</b>	OTDR lead-in box, containing 250m of 50/125 multimode fiber with SC connectors, in "EuroCard" case. With "ModCon" mode controller.
<b>ALB-62-100-SC/SC-E</b>	OTDR lead-in box, containing 100m of 62.5/125 multimode fiber with SC connectors, in "EuroCard" case.
<b>ALB-62-100-SC/SC-E-MC</b>	OTDR lead-in box, containing 100m of 62.5/125 multimode fiber with SC connectors, in "EuroCard" case. With "ModCon" mode controller.
<b>ALB-62-250-SC/SC-E</b>	OTDR lead-in box, containing 250m of 62.5/125 multimode fiber with SC connectors, in "EuroCard" case.
<b>ALB-62-250-SC/SC-E-MC</b>	OTDR lead-in box, containing 250m of 62.5/125 multimode fiber with SC connectors, in "EuroCard" case. With "ModCon" mode controller.

As well as our standard range of products we also make:

- Customised Test Boxes
- Mode Control Patchcords

For North American sales enquiries call **(727) 478-2651** or email us on [sales@ardenphotonics.com](mailto:sales@ardenphotonics.com)

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Iss 05 Feb 15

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Arden Photonics Ltd

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Royston House, 267 Cranmore Boulevard,  
Shirley, Solihull, B90 4QT, UK  
**+44 (0)121 733 7721**

Arden Photonics, LLC,  
4500 140th Avenue North, Suite 101,  
Clearwater, FL 33762, USA  
**+1 (727)478-2651**

[www.ardenphotonics.com](http://www.ardenphotonics.com)  
[enquiries@ardenphotonics.com](mailto:enquiries@ardenphotonics.com)