

# Portable Fibre Optic Instruments



## OTDRs and Fault Locators

AFL optical time domain reflectometers (OTDRs) and fault locators are used to certify new fibre installations and locate faults in deployed fibre optic networks. OTDRs and fault locators are available for both multi-mode and single-mode networks, including FTTx PONs. OTDRs scan fibre optic networks from one end of the fibre, displaying a trace and reporting detected events such as splices, connectors, micro- or macro-bends and fibre end. Fibre length is reported along with location, loss and reflectance of detected events. Several OTDRs are available with an integrated visual fault locator (VFL), optical light source (OLS), and/or optical power meter (OPM). OTDR results can be saved and uploaded to PC for further analysis and/or archiving.

### AFL OTDR Buyers Guide

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## Optical Power Meters

AFL offers a full range of optical power meters to support FTTx deployments, fiber network testing, certification reporting capabilities and basic power measurements.

## Contractor Series Light Sources and Power Meters

Quality tools designed for loss measurements over single-mode and multi-mode networks. Small palm-sized units are ideal for field use. Sized to carry and built tough to endure the rigours of outside plan work environments.



## Features

- Palm-sized rugged, dependable, tools backed with 5-year warranty
- Cost-effective, easy to use
- Auto-off time out feature to maximise battery life
- Large sunlight readable display. Backlight for dim conditions

## Applications

- Link loss measurements
- Certify SM and MM links to industry standards
- Continuity check and fiber identification prior to fusion splicing

## Data sheet

Manufacturer: AFL

Product Code: CS

Product SKU: 53839000004812011

Product SKU: Optical Power Meter, CS series



## Optical Light Sources

AFL offers a full range of light sources for testing single-mode and/or multimode fiber networks. Read more about our solutions for testing telco and broadband networks, FTTx systems, LAN/WAN networks and more. Sources with wave ID transmit two or more wavelengths simultaneously—decreasing test time and reducing user errors. when using an AFL wave ID power meter.



## Encircled Flux Instruments

Ever increasing network speeds and tighter loss budgets ensure qualifying multimode fiber links remains a formidable challenge. Part of the challenge can stem from test instruments. In some scenarios different test instruments can produce different measurement results on the same network due to variations in launch conditions between test sources. The result is confusion and wasted time verifying actual measurement values. Wasted time means extended network downtime or delayed network starts. To help minimize test errors, standards bodies embraced encircled flux to better standardize multimode launch conditions.

Encircled Flux (EF) standards, TIA-526-14-B and IEC 61280-4-1 Ed. 2.0, define a method of controlling multimode launch conditions for optical test sources. More consistent test source launch conditions equate to more accurate and repeatable measurements. This is the goal driving the migration to encircled flux standards.

## Optical Loss Test Sets



A matched combination of Optical Light Sources and Optical Power Meters to create a loss test set or kit for particular applications.



### Lightwaves2020 Instruments

- Polarimeter
- Network link tester
- Wavelength & power meter
- Tuneable Laser Source