

## Noyes Single Mode & Multimode Optical Loss Test Sets

To accommodate your fiber optic loss testing needs, Noyes offers a variety of multimode (MLP) test kits, single-mode (SLP) test kits, single-mode/multimode (SMLP) and Contractor Series (CK) test kits. These kits are ideal solutions for testing and certifying a range of networks such as LANs, WANs, IXC, CATV and Telecom. Kits come complete with an adapter cap, software, download cable and instructions.

### Test Set Options:

**Wave ID** - Light source transmits a wave ID that the power meter reads to automatically select and measure the appropriate wavelength. Systems without the feature require the operator to manually set the power meter to the correct wavelength.

**Set Reference** - Power meter can set a reference to the light source's output power, allowing it to display optical loss in dB. Test sets without this feature require the operator to record the power level in dBm before and after the insertion of the cable under test. The first number is then subtracted from the second to calculate the loss in dB.

**Data Storage** - Power meter can store measurements which can be transferred to a PC using a USB connection and supplied Windows compatible software for further analysis, printing and storage.



### C880

#### Bi-Direction, Dual-Wavelength Testing Capabilities

Combining two C840 Certification Testers, the Noyes C880 QUAD Certification Test Kit from AFL Telecommunications is designed for testing and troubleshooting both multimode and single-mode fiber links. Each tester includes an integrated Visual Fault Locator (VFL, 650 nm), both single-mode (Laser 1310/1550 nm) and multimode (LED 850/1300 nm) Optical Light Sources (OLS), and an Optical Power Meter (OPM). Each tester may be used alone as a traditional power meter, light source or visual fault locator.

In Auto Test mode, the user may perform certification tests to one of the industry cabling standards (TIA, ISO, EN), one or more application standards, or a user-defined loss/length limit. Certification reports may be generated based on the selected standards and rules using PC reporting software.

The transfective touch screen display of the C840 tester is suitable for both indoor and outdoor operation.

Thousands of test results may be stored internally for transfer to a computer via a USB cable or a standard USB drive. Once test data is transferred to a computer, the supplied Windows® compatible software allows technicians to view, print, and generate professional certification reports.



### SMLP 5-5

#### Wave ID, Set Reference and Data Storage

The SMLP5-5 test kit combines the OPM5-2D optical power meter and OLS4 integrated LED and LASER light source and is ideally suited for testing fiber optic networks with hybrid (single-mode and multimode) cables.

### SMLP 4-4

#### Wave ID and Set Reference

The SMLP4-4 test kit combines the OPM4-2D optical power meter and OLS4 integrated LED and LASER light source and is ideally suited for testing fiber optic networks with hybrid (single-mode and multimode) cables.



### CKSM-2

#### Set Reference Contractor Series

The CKSM-2 combines the CSM1-2 optical power meter, CSS1-MM Dual LED light source, and CSS1-SM Dual LASER source for a cost-effective test kit designed for performing insertion loss measurements on multimode as well as single-mode fiber optic links.

The Contractor Series test sets are rugged, light weight units developed to be an economical option for installers who need a good general purpose, field usable system.

## Noyes Single Mode Optical Loss Test Sets



### OLTS 5

#### Bi-Direction, Dual-Wavelength Testing Capabilities

The OLTS 5 may be operated in automatic or manual test modes. In its "two-unit" automatic test mode, a pair of OLTS 5 test sets may be used to measure the end-to-end, bi-directional insertion loss of a pair of single-mode fibers at 1310/1550nm or 1550/1625 nm. Tests are started and controlled by the user from the OLTS 5 configured as the Main unit. Test progress messages and results are displayed on the Remote unit. Full test results can be reviewed and saved in the Main unit. Thresholds may be set to provide Pass/Fail results.

In its "single-unit" automatic test mode the OLTS 5 can measure bi-directional, dual-wavelength insertion loss of patch cords, or fiber optic cables while they are still on the reel.

In the manual operating mode individual OLTS 5 test sets can operate either as an optical power meter (OPM) or dual-wavelength laser source.

The OLTS 5 can store dual-wavelength, bi-directional insertion loss results for up to 1,000 fibers. Test results can be organized in up to 20 user-named files. Results are transferred to a PC via a serial link. Windows® software is provided to view, edit, and print test results.

OLTS 5 units are sold individually but normally used in pairs.



### SLP 5 Series

#### Wave ID, Set Reference and Data Storage

The SLP5-6D test kit combines the OPM5-4D optical power meter and OLS2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks.

The SLP5 triple wavelength single-mode test kits are available in two models, SLP5-FTTH and SLP5-7. The SLP5-FTTH and SLP5-7 model combine the OPM5-4D optical power meter and either OLS7-FTTH (1310/1490/1550 nm) or OLS7-3 (1310/1550/1625 nm) LASER source respectively.



### SLP 4 Series

#### Wave ID and Set Reference

The SLP4-6D test kit combines the OPM4-4D optical power meter and OLS2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks.

The SLP4 triple wavelength single-mode test kits are available in two models, SLP4-FTTH and SLP4-7. The SLP4-FTTH and SLP4-7 model combine the OPM4-4D optical power meter and either OLS7-FTTH (1310/1490/1550 nm) or OLS7-3 (1310/1550/1625 nm) LASER source respectively.

## Noyes Multimode Optical Loss Test Sets



### MLP 5-2

#### Wave ID, Set Reference and Data Storage

The MLP5-2 test kit combines the OPM5-2D optical power meter and OLS1-Dual LED light source and is ideally suited for testing multimode fiber optic networks.



### MLP 4-2

#### Wave ID and Set Reference

The MLP4-2 test kit combines the OPM4-2D optical power meter and OLS1-Dual LED light source and is ideally suited for testing multimode fiber optic networks.



### CKM-2

#### Set Reference Contractor Series

The CKM-2 combines the CSM1-2 optical power meter and CSS1-MM Dual LED light source for a cost-effective test kit designed for performing insertion loss measurements on multimode fiber optic links. The Contractor Series test sets are rugged, light weight units developed to be an economical option for installers who need a good general purpose, field usable system.



### MLP 1

#### Basic Test Kit

The MLP1 test kits are inexpensive solutions for testing multimode and single-mode systems. By joining the OPM1 optical power meter and the OLS1 optical light source, the MLP1 is a great kit for beginners or network owners. Two versions of the MLP1 test kit are available for testing Premises networks, LAN, and Gigabit Ethernet. The MLP1-1S test kit includes the OPM1-2C power meter and OLS1-1C light source. The MLP1-2 test kit combines the OPM1-2C optical power meter and OLS1-2C optical light source.

# Noyes Optical Loss Test Sets

All test kits include an optical power meter, optical light source, adapter cap, protective rubber boots, user's guide and carry case. \*Specify one source/adapter cap connector type when ordering. Additional adapter caps and AC adapters may be ordered separately.

## Ordering Information

Model	Power Meter	Light Source	Fiber Type	Output Wavelengths (nm)							Units of Measure	Dynamic Range (dB)	Available Connector Types*	Features				
				660	850	1300	1310	1490	1550	1625				Set Ref.	PC Software & Storage	Auto Dual Wave Test		
CKM-2	CSM1-2	CS51-MM	MM		•	•						dB, dBm, W	40 <sup>1</sup>	SC	•			
CKSM-2	CSM1-2	CS51-MM CS51-SM	MM SM		•	•	•			•		dB, dBm, W	40 @ 850/1300nm <sup>1</sup> 60 @ 1310/1550nm <sup>2</sup>	SC	•			
MLP1-15	OPM1-2C	OLS1-1C	MM		•							dBm	40 @ 850nm <sup>1</sup>	ST	•			
MLP1-2	OPM1-2C	OLS1-2C	MM SM		•	•						dBm	40 @ 850/1300nm <sup>1</sup> 20 @ 1300nm <sup>2</sup>	ST	•			
MLP4-1D	OPM4-1D	OLS1-1C	MM	•	•							dB, dBm, W	40 @ 850nm <sup>1</sup>	ST				
MLP4-2	OPM4-2D	OLS1-Dual	MM SM		•	•						dB, dBm, W	40 850/1300nm <sup>1</sup> 22 @ 1300nm <sup>2</sup>	FC, SC, ST			•	
MLP5-2B	OPM5-2D	OLS1-Dual	MM SM		•	•						dB, dBm, W	40 @ 850/1300nm <sup>1</sup> 22 @ 1300nm <sup>2</sup>	FC, SC, ST	•	USB	•	
SLP4-6	OPM4-3D	OLS2-Dual	SM				•		•			dB, dBm, W	70 <sup>2</sup>	FC, SC, ST, LC	•		•	
SLP4-6D	OPM4-4D	OLS2-Dual	SM				•		•			dB, dBm, W	50 <sup>2</sup>	FC, SC, ST, LC	•		•	
SLP4-7	OPM4-4D	OLS7-3	SM				•		•	•		dB, dBm, W	45 <sup>2</sup>	FC, SC, ST, LC	•		•	
SLP4-FTTH	OPM4-4D	OLS7-FTTH	SM				•	•	•			dB, dBm, W	45 <sup>2</sup>	FC, SC, ST, LC	•		•	
SLP5-6	OPM5-3D	OLS2-Dual	SM				•		•			dB, dBm, W	70 <sup>2</sup>	FC, SC, ST, LC	•	USB	•	
SLP5-6D	OPM5-4D	OLS2-Dual	SM				•		•			dB, dBm, W	50 <sup>2</sup>	FC, SC, ST, LC	•	USB	•	
SLP5-7	OPM5-4D	OLS7-3	SM				•		•	•		dB, dBm, W	45 <sup>2</sup>	FC, SC, ST, LC	•	USB	•	
SLP5-FTTH	OPM5-4D	OLS7-FTTH	SM				•	•	•			dB, dBm, W	45 <sup>2</sup>	FC, SC, ST, LC	•	USB	•	
SMLP4-4	OPM4-2D	OLS4	MM SM		•	•	•			•		dB, dBm, W	40 @ 850/1300nm <sup>1</sup> 60 @ 1310/1550nm <sup>2</sup>	FC, SC, ST, LC	•		•	
SMLP5-5	OPM5-2D	OLS4	MM SM		•	•	•			•		dB, dBm, W	40 @ 850/1300nm <sup>1</sup> 60 @ 1310/1550nm <sup>2</sup>	FC, SC, ST, LC	•	USB	•	
OLTS 5-3	OLTS 5 test sets can operate either as an optical power meter (OPM) or dual-wavelength laser source	SM					•		•			dB, dBm, W	65 <sup>2</sup>	FC, SC, ST	•	Serial Link	Bi-Directional	
OLTS 5-5		SM							•	•		dB, dBm, W	65 <sup>2</sup>	FC, SC, ST	•	Serial Link	Bi-Directional	
OLTS 5-6		SM					•		•			dB, dBm, W	55 <sup>2</sup>	FC	•	Serial Link	Bi-Directional	
C880-100-LP1-S1 (SC/LC Kit)			MM SM															
C880-100-LP1-S2(SC/ST Kit)					•	•	•						dB, dBm, W		SC, ST, LC	•	USB	Bi-Directional
C840-100-LP1-S1(Single Unit)																		

1 On 62.5/125um multimode fiber.  
2 On 9/125um single-mode fiber.

## Accessories

Part Number	Description	Part Number	Description
<b>AC Adapters (90-264 VAC to 9 VDC)</b>			
4050-00-0111	For OLS1 and OLS2	4050-00-0112PR	For OLTS 5
4050-00-0119PR	For OLS1-Dual, OLS 2-Dual, OLS 4, and OLS 7		
<b>OLS Connector Adapters (D models starting February 2006)</b>			
2900-50-0002MR	SM/MM FC Interface	2900-50-0004MR	SM/MM ST Interface
2900-50-0003MR	SM/MM SC Interface	2900-50-0004MR	SM/MM LC Interface
<b>OLTS 5 Accessories</b>			
6000-00-0023MR	USB to RS232 DB9M	3900-04-0106PE	NiMH-AA battery pack
<b>Mandrel Wraps</b>			
5400-00-0201	62.5um fiber, 3mm jacket	5400-00-0202	50um fiber, 3mm jacket
5400-00-0900	Kit containing both the 5400-00-0201 and 5400-00-0202		

Specifications may change without notice

## Noyes Optical Light Sources



### OLS 4 Integrated LED & Laser Light Source with Wave ID

The OLS4 features 850/1300nm multimode LED port and 1310/1550nm singlemode LASER port. Each wavelength may be transmitted individually or simultaneously with Wave ID. Simultaneous output allows the operator to test two wavelengths at the same time when using a compatible OPM4 or OPM5 series power meter.



### OLS 7 Series Triple Wavelength Laser Light Source with Wave ID

The OLS7-FTTH model is designed specifically for today's FTTH network architectures featuring a triple wavelength LASER output from a single port: 1310nm output for testing in the upstream direction and 1490 or 1550nm, for testing in the downstream direction. The OLS7-3 model features 1310/1550/1625 nm triple wavelength LASER output that is used for single-mode applications, such as Telecom or CATV.



### OLS 2-Dual Dual Wavelength Laser Light Source with Wave ID

the OLS2-Dual features 1310nm and 1550nm LASER output from a single output port. Each wavelength may be transmitted individually or simultaneously with Wave ID. Simultaneous output allows the operator to test two wavelengths at the same time when using a compatible OPM4 or OPM5 series power meter.



### CSS1-SM Dual Wavelength Laser Light Source Contractor Series

The CSS1-SM features 1310nm and 1550nm LASER output from a single output port and is easy to operate. Each wavelength may be transmitted individually only.



### OLS 1-Dual Dual Wavelength LED Light Source with Wave ID

the OLS1-Dual features 850nm and 1300nm LED output from a single output port. Each wavelength may be transmitted individually or simultaneously with Wave ID. Simultaneous output allows the operator to test two wavelengths at the same time when using a compatible OPM4 or OPM5 series power meter.



### OLS 1 Two Port LED Light Source

The OLS1 is easy to operate with only a [Wavelength/ Power] switch, which selects between 850nm and 1300nm optical wavelengths or disables unit. 660nm is also available.



### CSS1-MM Dual Wavelength LED Light Source Contractor Series

The CSS1-MM features 850nm and 1300nm LED output from a single output port and is easy to operate. Each wavelength may be transmitted individually only.

# Noyes Optical Light Sources

\* When ordering, specify connector type at the end of model number (e.g. OLS 2-DUAL-SC)  
 All OLS models include protective rubber boot, user's guide, and carry case.  
 AC Adapters are available (ordered separately), see table below.

## Ordering Information

Model	Output Wavelengths (nm)						Output Ports	Emitter Type	Safety Class		Output Power (nominal, dBm)	Stability	Wave ID Transmit	Available Connector Types*	Power	
	660	850	1300	1310	1490	1550			1625	FDA						IEC
CSS1-MM		•	•					1	LED	N/A	1	-20	±0.1 dB / 1 Hr		SC	(2) AA
CSS1-SM				•			•	1	Laser	1	1	0	±0.05 dB / 1 Hr		FC, SC, ST, LC	(2) AA
OLS1-1C	•	•						2	LED	N/A	1	-10 @ 660nm -20 @ 850nm	±0.1 dB / 8 Hr		ST	9 Volt, AC
OLS1-2C		•	•					2	LED	N/A	1	-20	±0.1 dB / 8 Hr		ST	9 Volt, AC
OLS1-Dual		•	•					1	LED	N/A	1	-20	±0.1 dB / 8 Hr	•	FC, SC, ST	(2) AA, AC
OLS2-Dual				•			•	1	Laser	1	1	0 <sup>2</sup>	±0.05 dB / 1 Hr	•	FC, SC, ST, LC	(2) AA, AC
OLS4		•	•	•			•	2	LED & Laser	1	1	-20 @ 850nm -20 @ 1300nm 0 @ 1310nm 0 @ 1550nm	±0.05 dB / 1 Hr	•	FC, SC, ST, LC	(2) AA, AC
OLS7-3				•			•	1	Laser	1	1	-5	±0.05 dB / 1 Hr	•	FC, SC, ST, LC	(2) AA, AC
OLS7-FTTH				•	•		•	1	Laser	1	1	-5	±0.05 dB / 1 Hr	•	FC, SC, ST, LC	(2) AA, AC

1 Adjustable ±1 dB.

2 Adjustable 2 dB.

FDA does not regulate LED sources.

660nm LED output power specified into 1000um fiber. All other LED output powers specified into 62.5um fiber.

All Laser output powers are specified into 9/125um single-mode fiber.

## Accessories

Part Number	Description
<b>AC Adapters</b>	
4050-00-0111	90-264 VAC to 9 VDC for OLS1 and OLS2
4050-00-0119PR	90-264 VAC to 9 VDC for OLS1-Dual, OLS 2-Dual, OLS 4, and OLS 7
<b>Connector Adapters (D models starting February 2006)</b>	
2900-50-0002MR	SM/MM FC Interface (D Model)
2900-50-0003MR	SM/MM SC Interface (D Model)
2900-50-0004MR	SM/MM ST Interface (D Model)
2900-50-0006MR	SM/MM LC Interface (D Model)
<b>Mandrel Wraps</b>	
5400-00-0201	62.5um fiber, 3mm jacket
5400-00-0202	50um fiber, 3mm jacket
5400-00-0900	Kit containing both the 5400-00-0201 and 5400-00-0202

## Noyes Optical Power Meters



### OPM 5 Series

#### Optical Power Meter with Wave ID, Set Reference and Data Storage

The New Noyes OPM5 is a full featured, handheld optical power meter designed for measuring optical power in premise, Telco, or broadband networks and for performing insertion loss measurements on multimode or single-mode fiber optic links. The standard Wave ID feature (when used with Noyes OLS series light sources) automatically detects and sets the wavelength(s), preventing setup and measurement errors. It significantly increases efficiency and reduces technician errors — and saves testing time — by eliminating the need to test each wavelength individually. The OPM5 stores optical references for each calibrated wavelength and offers multiple test tone detection for fiber identification. The OPM5 is fully N.I.S.T. traceable.



### OPM 4 Series

#### Optical Power Meter with Wave ID and Set Reference

The OPM4 features automatic wavelength identification and switching (Wave ID) when used with Noyes OLS series light sources, multiple test Tone detection for fiber identification, and stores optical references for each calibrated wavelength. A large dual-wavelength LCD display with backlight shows measured power [dBm or  $\mu$ W] or insertion loss [dB], calibrated wavelengths [nm], tone signal [Hz], wavelength ID, and estimated remaining battery life.



### OPM 4-FTTx Series

#### Optical Power Meter with Wave ID and Set Reference

Equipped with wavelength filters and a dual photo detector, the OPM4-FTTx can separately and simultaneously measure 1490 and 1550 nm power at the ONT or other points in an FTTx PON. A large, dual-wavelength LCD display with backlight shows power at both wavelengths in units of dBm or  $\mu$ W. A "set reference" feature may be used to compare 1490 or 1550 nm power levels in units of dB measured at different parts of the network.

The OPM4-FTTx is the only power meter from Noyes that includes an integrated Visual Fault Locator (VFL) - 650 nm (red) laser for short-range fault location and connectivity testing.



### CSM1

#### Optical Power Meter with Set Reference Contractor Series

The CSM1 stores optical references for each calibrated wavelength and features multiple test Tone detection for fiber identification. A large LCD display with backlight shows measured power [dBm or  $\mu$ W] or insertion loss [dB], calibrated wavelengths [nm], tone frequency [Hz], and indicates a low battery condition.



### OPM 1 Series

#### Optical Power Meter

With only two controls – ON/OFF and wavelength – the OPM1 is our simplest to use optical power meter. Optical power in dBm and the calibration wavelength setting are displayed on an easy-to-read LCD display.

# Noyes Optical Power Meters

Adapter caps are required for operation and must be ordered separately.  
 All CSM1 models include a 2.5mm Universal adapter cap, user's guide and carry case.  
 All OPM models include protective rubber boot, user's guide and carry case.  
 All OPM5 models also include USB cable and Windows® compatible software.  
 AC adapter is available for the OPM5 models (ordered separately), see table below.

## Ordering Information

Model	Output Wavelengths (nm)									Detector Type	Measurement Range (dBm)	Units of Measure	Power	Features			
	660	780	850	980	1300	1310 <sup>1</sup>	1490	1550	1625					Set Ref.	PC Software & Storage	Wave ID Detect	Tone Detect <sup>2</sup>
CSM1-1	•	•	•							Silicon	+6 to -70	dB, dBm, W	(2) AA	•			•
CSM1-2			•		•	•		•		Germ.	+6 to -60	dB, dBm, W	(2) AA	•			•
CSM1-3			•		•	•	•	•		InGaAs	+6 to -70	dB, dBm, W	(2) AA	•			•
CSM1-4			•	•		•	•	•		InGaAs	+26 to -50	dB, dBm, W	(2) AA	•			•
OPM1-2C			•		•	•		•		Germ.	+6 to -60	dBm	9 volt				
OPM1-3C			•		•	•		•		InGaAs	+6 to -70	dBm	9 volt				
OPM4-1D	•	•	•							Silicon	+6 to -70	dB, dBm, W	(2) AA	•		•	•
OPM4-2D			•		•	•	•	•		Germ.	+6 to -60	dB, dBm, W	(2) AA	•		•	•
OPM4-3D			•		•	•	•	•		InGaAs	+6 to -70	dB, dBm, W	(2) AA	•		•	•
OPM4-4D			•	•		•	•	•		InGaAs	+26 to -50	dB, dBm, W	(2) AA	•		•	•
OPM4-FTTx							•	•		InGaAs	+20 to -50	dB, dBm, W	(2) AA	•		•	•
OPM5-2D			•		•	•	•	•		Germ.	+6 to -60	dB, dBm, W	(2) AA, AC	•	USB	•	•
OPM5-3D			•		•	•	•	•		InGaAs	+6 to -70	dB, dBm, W	(2) AA, AC	•	USB	•	•
OPM5-4D			•	•		•	•	•		InGaAs	+26 to -50	dB, dBm, W	(2) AA, AC	•	USB	•	•

<sup>1</sup> Optical Power Meters use a common calibration point for 1300nm (multimode) and 1310nm (single-mode).  
<sup>2</sup> 270 Hz, 330 Hz, 1 kHz and 2 kHz Tone detection.

## Adapter Caps

### OPM Ports, OFS 300-200, VS 300 Power Meter and Inspection

Noyes *standard* thread-on adapter caps are used to mate non-angled single-fiber and dual-fiber connectors to optical power meter ports on our OPM, T400, T500, and ORL 3 series test sets, and inspection ports on our OFS 300-200C and VS 300 microscopes.



## Ordering Information

Part Number	Description	Part Number	Description
8800-00-0224	1.25 mm Universal Adapter Cap	8800-00-0210	ESCON Adapter Cap
8800-00-0214	2.5 mm Universal Adapter Cap	8800-00-0211	DIN 47256 Adapter Cap
8800-00-0200	FC Adapter Cap	8800-00-0205	FDDI (for meters) Adapter Cap
8800-00-0209	SC Adapter Cap	8800-00-0201	D4 Adapter Cap
8800-00-0202	ST Adapter Cap	8800-00-0223	1000 µm Adapter Cap
8800-00-0221	E-2000 Adapter Cap	8800-00-0226	MU Simplex Adapter Cap
8800-00-0204	Biconic Adapter Cap	8800-00-0230	MT-RJ (A side only) Adapter Cap
8800-00-0203	SMA Adapter Cap	8800-00-0231	MT-RJ (A side or B side) Adapter Cap
8800-00-0225	Simplex/Duplex Adapter Cap	8800-00-0232	Nickel Silver 2.5 mm Adapter Cap
8800-00-0212	Radial PFO/VFO Adapter Cap		

Specifications may change without notice



## JDSU Inspection, Cleaning & Test Kits



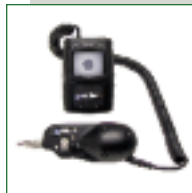
### FIT Series

#### Inspection, Cleaning & Test Kits

JDSU inspection, cleaning, and test kits are designed specifically to meet the needs for today's fiber applications and environments, including LAN/WAN, CATV, TELCO, FTTx, and data centers. Pairing necessary test and inspection equipment gives technicians everything they need to ensure the best performance from optical connections in their networks.

Each kit is configured with the following:

- Inspection Scope and Display
- Optical Light Source and Power Meter
- Appropriate Reference Cables
- Visual Fault Locator
- IBC Cleaners for Bulkheads & Patchcords
- Micro Care WFW Lint Free Wipes
- Micro Care FCC2 Cleaning Fluid
- Deluxe Carrying Case



### FBP & FBE Inspection Scopes

The JDSU video fiber inspection probe and handheld display system is used to inspect both "male" (patch cord) and "female" (bulkhead) sides of a fiber interconnect. Both the probe and display fit comfortably in a user's hand for portability and easy operation. Various interchangeable tips enable optimized inspection for different connector types and applications.

The FBP series probe provides dual (200x and 400x) magnification and a selection of over 350 different inspection tips. FBE series probes provide a more economical option with single magnification (200x or 400x) and a selection of common tip configurations. Both configurations are used in conjunction with a compact HD3 series, 1.8-inch TFT LCD display unit to provide a completely portable inspection solution for fiber technicians.



### OLS-5 & OLS-6 Pocket Class Dual-Wavelength Optical Light Sources

The JDSU OLS-5 and OLS-6 Pocket Class Optical Light Sources measure dual wavelength in various single-mode or multimode applications alongside JDSU Pocket Class or SMART Optical Power Meters. The simple, three-button operation and easy-to-read display make them extremely user friendly. The OLS-5 Optical LED Source delivers multimode power and loss testing at 850 and 1300 nm, while the OLS-6 Optical Laser Source tests single-mode power and loss at 1310 and 1550 nm. Together with a JDSU Optical Power Meter (OLP), the automatic wavelength detection guarantees fast, error-free results.



### OLP-5, OLP-6 & OLS-8 Pocket Class Optical Power Meters

The JDSU OLP-5, OLP-6, and OLP-8 are handy, pocket-sized optical power meters for quick, easy, and convenient field measurement of optical power and attenuation in fiber networks. They can be used independently for simple output tests, or with a light source for insertion loss measurements. The full functionality of the pocket-sized OLP range is realized when used with a JDSU optical light source (OLS). The OLP-5 is dedicated to local area network (LAN)/multimode or single-mode applications. The OLP-6 covers mostly the standard telecom applications, while the OLP-8 is dedicated to higher power applications like CATV networks, dense wavelength division multiplexing (DWDM) systems, and erbium doped fiber amplifier (EDFA) testing.



### OLS-55 SMART Optical Laser Source

The handheld OLS-55 SMART Optical Laser Source suits every application from passive optical networks (PON) to Gigabit Ethernet (GigE) and offers the flexibility to test, install, and maintain single-mode and multimode fiber optic networks.



### OLP-57 SMART Optical Power Meter

The OLP-57 SMART Optical Power Meter is used for installing, testing, and maintaining single-mode and multimode networks and cables. The SMART Optical Power Meters define a new industry standard with a unique, built-in auto-zeroing function for auto dark current compensation, which significantly increases accuracy.

## JDSU Inspection, Cleaning & Test Kits



### FFL-100 Visual Fault Locator

The Visual Fault Locator (VFL) is a ruggedized, handheld tool used to locate breaks and/or damage in optical fibers. It employs a powerful red laser designed to couple to optical connectors, providing the ability to locate areas in a fiber that have been damaged, broken, or tightly bent. The laser light will escape from the fiber at the exact site of the damage, causing the cable sheath to illuminate red. The FLASH control allows for two options: continuous illumination or flashing mode. The VFL (FFL-100) is fully assembled and comes with a soft-sided carrying case. Included are 2 batteries with > 80 hours of continuous-mode battery life. It is equipped with a 2.5 mm interface for compatibility with connectors such as SC, ST, and FC, while the 1.25 mm adapter interface (included) enables compatibility with small form-factor connectors such as LC and MU.



### IBC Brand Connector Cleaners

IBC™ brand cleaners are dry cloth cleaners specifically designed to clean either side of a fiber connection. For cleaning connectors behind a bulkhead, simply insert the device into the bulkhead until a click sound is heard. For cleaning patch cords, the dust cap acts as an adapter to receive the connector ferrule. These tools are simple to use and highly effective at removing oil and dust contaminants.



### Micro Care Cleaning Supplies

FCC2™ optical-grade solvent is designed specifically for cleaning optical connectors. Electrically conductive, this solvent is ideal and effective at removing stubborn forms of debris by dissipating static charges that bind particulate to connector end faces. Ideal for wet-to-dry cleaning procedures, this fast-drying solvent is nonflammable, nontoxic, noncorrosive, and safe to use.

### Ordering Information

Part Number	Description
FIT-S001	LAN/WAN - OLS-5, OLS-6, OLP-5, VFL, 200X FBE Probe, Hardwired to HD3 Display. Tips: SC, LC, ST, U25M, U12M, cleaning materials, patch cords and deluxe carrying case.
FIT-S002	CATV/TELCO - OLS-6, OLP-8, VFL, 200X FBE Probe, Hardwired to HD3 Display. Tips: SC, LC, SC-APC, FC, U25M, U25MA, U12M, cleaning materials, patch cords and deluxe carrying case.
FIT-S003	FTTx - OLS-55, OLP-57, VFL, 200/400X FBP Probe, Hardwired to HD3 Display. Tips: SC, SC-APC, U25M, U25MA, cleaning materials, patch cords and deluxe carrying case.
FIT-S004	Data Center - OLS-5, OLS-6, OLP-5, VFL, 200/400X FBP Probe, Hardwired to HD3 Display. Tips: SC, LC, MTP, U25, U12, cleaning materials, patch cords and deluxe carrying case.
FIT-S005	Professional - OLS-6, OLP-8, VFL, 200/400X FBP Probe, HD3 Display. Tips: SC, LC, FC, ST, SC-APC, U25M, U25MA, U12M, cleaning materials, patch cords and deluxe carrying case.
FIT-S005-NT	Professional (No test) - 200/400X FBP Probe, HD3 Display. Tips: SC, LC, FC, ST, SC-APC, U25M, U25MA, U12M, cleaning materials, patch cords and deluxe carrying case.



### MP-60 Miniature USB 2.0 Power Meter with FiberChek2™ Integration

The new MP-series Power Meter from JDSU is a miniature device that measures optical power via a USB 2.0 connection to a PC/laptop. This unique device makes digital processing of optical power measurements possible and integrates directly with the JDSU FiberChek2 software, the industry-leading automated fiber inspection and analysis program. Its size, functionality, and ease-of-use makes it an extremely useful and practical tool when testing optical power levels. The simple, straightforward, and intuitive software interface offers a well-organized digital solution to both fiber inspection and test procedures.

### Ordering Information

Part #	Description
MP-60	USB Power Meter: Includes software, 2.5mm interface and carrying pouch.
MP-60A	USB Power Meter: Includes software, 2.5 mm and 1.25mm interface, 30" USB extender and carrying pouch.

## JDSU Fiber Inspection & Test Systems



### FIT Series

#### Integrated Fiber Inspection & Test System

The HP3-60 system, derived from the popular HD3 series, provides high-quality image resolution in a compact, portable design. The integrated power meter offers quick, easy, and convenient field measurement of optical power and attenuation. Easy push-button operation makes the device simple and straightforward, while the inspect-test process establishes optimal workflow practices.

The HP3-60-P4 system gives the added benefit of an integrated 400x patch cord inspection scope and kits are available that include a FBP probe scope and/or cleaning supplies.



#### FIT-HP3-60

Handheld display and integrated power meter only. Requires FBP Series probe scope with 4-pin output for bulkhead inspection capability.



#### FIT-HP3-60-P4

Uses the HP3-60 platform but includes an integrated 400x integrated patch cord inspection scope. A push button A/B switch allows the user to toggle between the patch cord and bulkhead (probe) view. Requires FBP Series probe scope with 4-pin output for bulkhead inspection capability.



#### FIT-S105

Kit that includes an FBP-P5 200/400x dual magnification probe scope with the HP3-60-P4 fiber inspection & test system with integrated patch cord inspection scope. Comes with a carry case and with or without connector cleaning materials.



#### FIT-S105-PRO

Same as the FIT-S105-C kit but also includes a visual fault locator and fiber utility boot. The FBP-P5 200/200x dual magnification probe scope, HP3-60-P4 fiber inspection & test system with integrated patch cord inspection scope, FFL-050 visual fault locator and IBC cleaner are all integrated together into a seamless system that is fast, portable and easy.

#### Ordering Information

Part Number	Description
FIT-HP3-60	Handheld display with integrated power meter
FIT-HP3-60-P4	Handheld display with integrated power meter and 400x patch cord inspection
FIT-S105	Kit: Includes the FIT-HP3-60-P4, FBP-P5 200/400x probe and carry case
FIT-S105-C	Kit: Includes the FIT-HP3-60-P4, FBP-P5 200/400x probe, carry case and cleaning materials
FIT-S105-PRO	Kit: Includes the FIT-HP3-60-P4, FBP-P5 200/400x probe, carry case, cleaning materials, FFL-050 visual fault locator and utility boot

## Noyes Return/Loss Meters



### Adapter Caps

OPM Ports, OFS 300-200, VS 300 Power Meter and Inspection

Noyes *standard* thread-on adapter caps are used to mate non-angled single-fiber and dual-fiber connectors to optical power meter ports on our OPM, T400, T500, and ORL 3 series test sets, and inspection ports on our OFS 300-200C and VS 300 microscopes.

#### Ordering Information

Part Number	Description	Part Number	Description
8800-00-0224	1.25 mm Universal Adapter Cap	8800-00-0210	ESCON Adapter Cap
8800-00-0214	2.5 mm Universal Adapter Cap	8800-00-0211	DIN 47256 Adapter Cap
8800-00-0200	FC Adapter Cap	8800-00-0205	FDDI (for meters) Adapter Cap
8800-00-0209	SC Adapter Cap	8800-00-0201	D4 Adapter Cap
8800-00-0202	ST Adapter Cap	8800-00-0223	1000 $\mu$ m Adapter Cap
8800-00-0221	E-2000 Adapter Cap	8800-00-0226	MU Simplex Adapter Cap
8800-00-0204	Biconic Adapter Cap	8800-00-0230	MT-RJ (A side only) Adapter Cap
8800-00-0203	SMA Adapter Cap	8800-00-0231	MT-RJ (A side or B side) Adapter Cap
8800-00-0225	Simplex/Duplex Adapter Cap	8800-00-0232	Nickel Silver 2.5 mm Adapter Cap
8800-00-0212	Radial PFO/VFO Adapter Cap		



### Index Matching Block

When performing backreflection measurements it is important to eliminate the backreflection at the end of the cable under test. By touching the tip of the connector at the far side of the cable under test to the Index Matching Block, this backreflection is virtually eliminated.

#### Ordering Information

Part #	Description
IMBG	Index Matching Block with a 1.46 index of refraction.

## Noyes OTDRs

OTDRs or Optical Time Domain Reflectometers are the ideal diagnostic tools to locate faults in an optical network. By sending a series of short pulses of light down a fiber and measuring the small amount of light that is reflected back, the OTDR can provide a graphical representation of the fiber run.



### C860

#### QUAD OTDR and Certification Test Kit

- 850/1300nm & 1310/1550nm
- 22-26 dB Dynamic Range
- 1.5 m Event Dead Zone
- 250 m to 256 km Range Settings
- Integrated VFL & OPM
- Complete Tier 1 and Tier 2 Cert. Testing
- 6.5 & 3.8 inch Color Touch Screen
- SC/FC/ST/LC Adapters Available
- Rechargeable Li-Ion Battery (8 hours)
- 4 Hour Recharge Time
- 1000 Traces Internal Storage
- USB Connectivity
- 27.4 x 19.3 x 7.1 cm & 23 x 11 x 7 cm
- 2.3 kg & 0.9 kg

The Noyes C860 QUAD Certification and OTDR Test Kit from AFL Telecommunications includes one handheld C840 QUAD OLTS Tester and one C850 QUAD OTDR/OLTS with built-in auto test functionality. With this kit, technicians can troubleshoot and perform both Tier 1 and Tier 2 certification tests of MM and SM fiber networks, store results and create professional test reports.

The C850 is both a QUAD Certification Tester and full-featured QUAD OTDR in a compact case with a large transfective touch screen display suitable for both indoor and outdoor operation. The C850 features MM and SM OTDR capabilities, both single-mode and multimode Optical Light Sources (OLS), Visual Fault Locator (VFL, 650 nm), and an Optical Power Meter (OPM). As an OTDR, the C850 supports Full Auto, Expert (manual) and Real-Time test modes, simultaneous dual and single wavelength testing, and Event and Pass/Fail analysis based on default or user defined thresholds.

The Noyes C840 QUAD Certification Tester includes VFL, OPM, and both single-mode (Laser 1310/1550 nm) and multimode (LED 850/1300 nm) OLS. The C840 may be used alone as a traditional power meter and light source to measure fiber loss or as a visual fault locator to find fiber breaks.

The C840 and C850 can be used together to perform Tier 1 dual wavelength MM (850/1300nm) and SM (1310/1550nm) auto loss tests of one or two fibers in one or both directions; and measure both loss and length of the fibers and compare to industry standards (TIA/ISO/EN), applications and user defined thresholds values to certify the fibers. Either unit can be identified as the Main or Remote. The user may test two fibers at two wavelengths bi-directionally and store the results into the main unit. Featuring rich file naming, the Job setup wizard allows the user to define both the cable and fiber end locations, creating easily identifiable trace files, which are managed into Job and Cable folders.



### M700

#### Compact OTDR

- 250 m to 256 km Range Settings
- Integrated VFL & OPM
- 6.5 inch Color Touch Screen
- SC/FC/ST/LC Adapters Available
- Rechargeable Li-Ion Battery (8 hours)
- 4 Hour Recharge Time
- 1000 Traces Internal Storage
- USB Connectivity
- 27.4 x 19.3 x 7.1 cm
- 2.3 kg

Model	Wavelengths	Dynamic Range	Event Dead Zone
M700-20	1310/1550nm	40/38 dB	0.8 m
M700-21	1300/1310/1550nm	40/38/38 dB	0.8 m
M700-24	850/1300/1310/1550nm	24/24/39/37 dB	0.9 m
M700-25	850/1300/1310/1550nm	22/22/26/26 dB	1.5 m

## Noyes OTDRs



### M210

#### Handheld QUAD OTDR

- 850/1300nm &/or 1310/1550nm
- 22-26 dB Dynamic Range
- 1.5 m Event Dead Zone
- 250 m to 32 km Range Settings
- Integrated VFL
- 3.75 inch Color Touch Screen
- SC/FC/ST/LC Adapters Available
- Rechargeable Li-Ion Battery (6 hours)
- 3 Hour Recharge Time
- 1000 Traces Internal Storage
- USB Connectivity
- 23 x 11 x 7 cm
- 0.9 kg



### OFL 280 & OFL 250

#### Handheld Single Mode OTDR

##### OFL 280

- 1310/1550/1625nm (installation model)
- 1310/1490/1550nm (construction model)
- 28-30 dB Dynamic Range
- 1.3 m Event Dead Zone

##### OFL 250

- 1310/1550nm or 1310/1550/1625nm
- 26 dB Dynamic Range
- 1.5 m Event Dead Zone

##### Both

- 250 m to 256 km Range Settings
- Integrated VFL, OPM & OLS
- 3.5 inch Color Screen
- SC/FC/ST/LC Adapters Available
- Rechargeable Li-Ion Battery (12 hours)
- 1000 Traces Internal Storage
- USB Connectivity
- 19 x 11.2 x 4.7 cm
- 0.8 kg

The Noyes OFL 280 from AFL Telecommunications is a single-mode OTDR offered in two FTTx-optimized models. The 'installation and repair' model can operate at three wavelengths (1310/1550/1625 nm) on dark fibers, but automatically switches to a filtered, 1625 nm only mode if a live fiber is detected. In addition, the test port is equipped with a PON power meter, which allows the OFL 280 to detect live FTTx fibers, measure FTTx network power levels, and fault-locate live FTTx fibers with a single OTDR to network connection and a single automated test. A conventional three-wavelength (1310/1490/1550 nm) "construction" model is also available to certify or fault-locate dark fibers in FTTx or other single-mode fiber optic networks.



### FLX-380 Flextester

#### Single-mode Fiber Optic Test Set

- Standard OTDR, live PON OTDR, PON power meter –from one port!
- 41/38/38/37 dB dynamic range @ 1310/1490/1550/1625 nm
- 0.8/3.5 m event/attenuation dead zone, 40 m PON dead zone
- ServiceSafe™ live PON detection – prevents OTDR from disrupting service on live PON, while allowing 1625 nm out-of-band OTDR test
- Easy to use Full Auto, Expert, PON and Real Time OTDR modes
- OLS/OPM with Wave ID – reduces test time by 80% and eliminates setup errors
- Rugged, hand-held and lightweight (<1 kg)
- High-contrast display: clear and bright, even in direct sunlight
- >12-hour operation, fast charge, Li-Ion battery
- Instant On; Ready to test in <5 sec

The NOYES FLX380 FlexTester is the world's smallest, lightest, most complete single-mode fiber optic test set. It combines high-performance, multi-wavePROth OTDR/PON OTDR, OLS, OPM, VFL and PON Power Meter in a rugged, hand-held package

## Noyes OTDRs

### Ordering Information

Part Number	Description
<b>C860</b>	
C860-100-LP1-H2	C860 OTDR & Cert. Test Kit - 850/1300/1310/1550 source, SC/FC/LC adaptor caps & Fiber Rings (SC/LC)
C860-100-LP1-H5	C860 OTDR & Cert. Test Kit - 850/1300/1310/1550 source, SC/FC/LC adaptor caps & Fiber Rings (SC/ST)
<b>C850</b>	
C850-100-LP1-S1	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps - soft case
C850-100-LP1-H1	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps
C850-100-LP1-H2	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/LC)
C850-100-LP1-H3	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/LC) & Scope
C850-100-LP1-H4	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/LC) 2nd Battery
C850-100-LP1-H5	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/ST)
C850-100-LP1-H6	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/ST) & Scope
C850-100-LP1-H7	C850 OTDR - 850/1300/1310/1550 source, SC/FC/LC adapter caps & Fiber Rings (SC/ST) & 2nd Battery
<b>M700</b>	
M700-20U-01	M700 Long Range OTDR - 1310/1550nm source, SC/FC/LC UPC adapter caps and soft case
M700-20A-01	M700 Long Range OTDR - 1310/1550nm source, SC/FC/LC APC adapter caps and soft case
M700-21U-01	M700 Long Range OTDR - 1310/1550/1625nm source, SC/FC/LC UPC adapter caps and soft case
M700-21A-01	M700 Long Range OTDR - 1310/1550/1625nm source, SC/FC/LC APC adapter caps and soft case
M700-24U-01	M700 Long Range OTDR - 850/1300/1310/1550nm source, SC/FC/LC UPC adapter caps and soft case
M700-24A-01	M700 Long Range OTDR - 850/1300/1310/1550nm source, SC/FC/LC APC adapter caps and soft case
M700-25U-01	M700 OTDR - 850/1300/1310/1550nm source, SC/FC/LC UPC adapter caps and soft case
M700-25U-01	M700 OTDR - 850/1300/1310/1550nm source, SC/FC/LC APC adapter caps and soft case
<b>M700 - Options</b>	
M700-H1	Hard Case with 2.5mm & 1.25mm One-Clicks and Cletop-SB
M700-H9	Hard Case with OLS4 Light Source, OFS300-200C Scope, 2.5mm One-Click and Cletop-SB
<b>M210</b>	
M210-20U-01	M210 OTDR - 850/1300nm source, SC and ST adapter caps and soft case
M210-20U-01-HC	M210 OTDR - 850/1300nm source, SC and ST adapter caps and hard case
M210-22U-01	M210 OTDR - 1310/1550nm source, SC and FC adapter caps and soft case
M210-22U-01-HC	M210 OTDR - 1310/1550nm source, SC and FC adapter caps and hard case
M210-25U-01	M210 OTDR - 850/1300/1310/1550nm source, SC, FC and ST adapter caps and soft case
M210-25U-01-HC	M210 OTDR - 850/1300/1310/1550nm source, SC, FC and ST adapter caps and hard case
M210-25K-01-HC1	M210 OTDR & Test Kit - 850/1300/1310/1550 source, DFS1 probe scope and hard case
M210-25K-01-HC2	M210 OTDR & Cert. Kit - 850/1300/1310/1550 source, OLS4 light source, DFS1 and hard case
M210-MNG	M210 OTDR Scope & Rings Kit - 850/1300/1310/1550 source, Fiber Rings(ST/SC), Cleaning Kit & Scope
<b>OFL 280*</b>	
OFL280-100U-ENG	OFL 280 FTTx Construction OTDR - 1310/1550nm source, SC/UPC port and soft case
OFL280-100A-ENG	OFL 280 FTTx Construction OTDR - 1310/1550nm source, SC/APC port and soft case
OFL280-101U-ENG	OFL 280 FTTx Construction OTDR - 1490/1550/1625nm source, SC/UPC port and soft case
OFL280-101A-ENG	OFL 280 FTTx Construction OTDR - 1490/1550/1625nm source, SC/APC port and soft case
OFL280-102U-ENG	OFL 280 FTTx Construction OTDR - 1310/1490/1550nm source, SC/UPC port and soft case
OFL280-102A-ENG	OFL 280 FTTx Construction OTDR - 1310/1490/1550nm source, SC/APC port and soft case
OFL280-103U-ENG	OFL 280 FTTx Installation OTDR - 1310/1550/1625nm source, SC/UPC port and soft case
OFL280-103A-ENG	OFL 280 FTTx Installation OTDR - 1310/1550/1625nm source, SC/APC port and soft case
<b>OFL250</b>	
OFL250-50U-ENG	OFL 250 FTTx Construction OTDR - 1550nm source, SC/UPC port and soft case
<b>FLX380*</b>	
FLX380-100A-ENG	FLX380 OTDR - 1310/1550nm source SC/FC APC port and soft case
FLX380-100U-ENG	FLX380 OTDR - 1310/1550nm source SC/FC UPC port and soft case
FLX380-102A-ENG	FLX380 OTDR - 1310/1490/1550nm source SC/FC APC port and soft case
FLX380-102U-ENG	FLX380 OTDR - 1310/1490/1550nm source SC/FC UPC port and soft case
FLX380-103A-ENG	FLX380 OTDR - 1310/1550/1625nm source SC/FC APC port and soft case
FLX380-103U-ENG	FLX380 OTDR - 1310/1550/1625nm source SC/FC UPC port and soft case

\* The OFL280 and FLX380 FlexTesters are also available as "PRO" Test and Inspection Kits. These kits combine a FLX380 with a NOYES FOCIS Fiber Optic Connection Inspection System and selected cleaning supplies. FOCIS includes the DFS1 Digital FiberScope plus the DFD1 Touchscreen Tablet for viewing connector end-faces. FOCIS supports inspection of both connector ferrules and end-faces of connectors mounted inside bulkhead adapters on equipment panels. FlexTester PRO kits also include Mini-500 One-Click Cleaners for common 2.5 and 1.25 mm connectors, along with cleaning fluid and cleaning sticks for more stubborn contamination.

## Noyes OTDRs



### OTDR Test Cables

#### Fiber Rings

To measure the insertion loss of the near-end and/or far-end connection of a fiber optic link, an OTDR requires a launch and/or receive test cable, which essentially is a test jumper that can range from about 150m to over 1km in length. Because very long test jumpers are impractical to transport and use, Noyes offers coiled lengths of 50 mm multimode, 62.5 mm multimode, or single-mode fiber, packaged in compact rings, for use as OTDR test cables. Fiber Rings of 150 m of fiber are ideal for premises fiber network test applications. Fiber Rings of 500m and 1km of single-mode fiber are designed for broadband, long-haul fiber network test applications.

#### Ordering Information

Part Number	Configuration	Fiber Type	Fiber Length
FR1-M5-150-x1-x2	Standard, one fiber	Multimode, 50um	150 m (492 ft)
FR1-OM3-X1-X2	Standard, one fiber	Multimode OM3, 50um	150 m (492 ft)
FR1-OM4-X1-X2	Standard, one fiber	Multimode OM4, 50um	150 m (492 ft)
FR1-M6-150-x1-x2	Standard, one fiber	Multimode, 62.5um	150 m (492 ft)
FR1-SM-150-y1-y2	Standard, one fiber	Single mode	150 m (492 ft)
FR1-SM-500-y1-y2	Standard, one fiber	Single mode	500 m (1640 ft)
FR1-SM-1000-y1-y2	Standard, one fiber	Single mode	1000 m (3280 ft)
FR3-M5-x1-MTRJ	MT-RJ near-end, A and B Fibers	Multimode, 50um	150 m (492 ft)
FR3-M6-x1-MTRJ	MT-RJ near-end, A and B Fibers	Multimode, 62.5um	150 m (492 ft)
FR3-SM-x1-MTRJ	MT-RJ near-end, A and B Fibers	Single-mode	150 m (492 ft)
FR1-M5-x1-E2000	E2000 to ST, SC, FC, etc., one fiber	Multimode, 50um	150 m (492 ft)
FR1-M6-x1-E2000	E2000 to ST, SC, FC, etc., one fiber	Multimode, 62.5um	150 m (492 ft)
FR1-SM-x1-E2000	E2000 to ST, SC, FC, etc., one fiber	Single-mode	150 m (492 ft)
FR1-M5-E2000-E2000	E2000 to E2000, one fiber	Multimode, 50um	150 m (492 ft)
FR1-M6-E2000-E2000	E2000 to E2000, one fiber	Multimode, 62.5um	150 m (492 ft)

*x1, x2 - connectors for multimode cables, specify type [ST, SC, ASC (angled SC), FC, AFC (angled FC), LC]  
y1, y2 - connectors for single-mode cables, specify type [ST, SC, ASC (angled SC), FC, AFC (angled FC), LC]  
Other connector types, fiber types and fiber lengths can be quoted upon request.*

#### OTDR Accessories

Part Number	Description	Part Number	Description
<b>OTDR Port Adapter Caps - All Models</b>			
2900-50-0002MR	FC Adapter	2900-50-0004MR	ST Adapter
2900-50-0003MR	SC Adapter	2900-50-0005MR	LC Adapter
<b>VFI Port Adapter Caps</b>			
<b>All Models (except OFL 250)</b>		<b>OFL 250</b>	
2900-50-0007MR	2.5mm Universal	2900-53-0001MR	2.5mm Universal
2900-50-0010MR	1.25mm Universal	2900-53-0002MR	1.25mm Universal
<b>OPM Port Adapter Caps - OFL 250 Only</b>			
2900-52-0001MR	FC Adapter	2900-52-0003MR	ST Adapter
2900-52-0002MR	SC Adapter	2900-52-0004MR	LC Adapter
2900-52-0005MR	2.5mm Universal	2900-52-0006MR	1.25mm Universal
<b>AC Adapters</b>			
4050-00-0119PR	OFL 200	4050-00-0120PR	OFL 250
4050-00-0118PR	M Series & C860		
<b>Batteries</b>			
3900-04-0007ME	OFL 200 NiMH Battery Pack	3900-05-0001PE	M200 Li-Ion Battery Pack
3900-05-0003ME	OFL 250 Li-Ion Battery Pack	3900-05-0004ME	M700 Li-Ion Battery Pack
<b>Battery Chargers</b>			
4050-30-0005MR	OFL 250, M Series & C860 Battery Charger		
<b>Data Cables</b>			
6000-00-0003MR	OFL 200 Serial Cable	6000-00-0023MR	OFL 200 USB to RS232
6000-00-0024MR	OFL 250, M Series & C860 USB-Mini		
<b>Hard Cases</b>			
1400-01-0075PZ	M200 Hard Case	1400-01-0083PZ	M700 Hard Case
<b>Miscellaneous</b>			
1420-35-0009PR	M200 CF Slot Cover		

Specifications may change without notice



## Noyes FTK Pro Installer Kit



### FTK-01-0900PR

#### Complete Testing, Cleaning and Inspection Kit

The Noyes FTK Pro Installer Kit from AFL Telecommunications provides a wide selection of fiber optic testing, cleaning, and inspection equipment to enable technicians to install and maintain fiber optic networks. Available with multimode and single-mode test equipment, the kit also includes a broad array of cleaning and inspection equipment in a convenient tough injection-molded ABS carrying case. The Pro Installer Kit is ideal for TIA Tier 1 and Tier 2 testing of premises (building and campus) networks or certification and troubleshooting of FTtx PON networks.

#### Features & Benefits

- Clean, inspect, and test fiber optic networks
- Multimode and single-mode fiber ready
- Verify integrity of installed fiber networks
- Software to present network owners with written proof of a quality installation
- Convenient rugged hard carry case

#### Kit Contents

Part Number	Description
M200	Quad OTDR, 850/1300 nm MM, 1310/1550 nm SM
OPM S-2D	Optical Power Meter (Wave ID, Set Reference, Data Storage)
OLS 4	Optical Light Source (LED and Laser)
OFS300-200C	Optical Fiber Scope (200x)
Fiber Rings (1 each)	FR1-LS-150-SC-ST (50/125 OM3 550 Laser Optimized)
	FR1-LS-150-SC-LC (50/125 OM3 550 Laser Optimized)
	FR1-LS-150-ST-LC (50/125 OM3 550 Laser Optimized)
	FR1-M6-150-SC-ST (62.5/125)
	FR1-M6-150-ST-LC (62.5/125)
	FR1-M6-150-ST-LC (62.5/125)
	FR1-SM-150-SC-ST (SM)
	FR1-SM-150-SC-LC (SM)
Adapters	SC, ST, LC for the OTDR/OLS ports (2 each)
	SC, ST, LC for the OPM unit
	2.5mm and 1.25mm Universal for OFS and for VFL on OTDR
	SC-ST (50/125 OM3 550 Laser Optimized)
	SC-LC (50/125 OM3 550 Laser Optimized)
	SC-ST (62.5/125)
	SC-LC (62.5/125)
	SC-ST (SM)
	SC-LC (SM)
Bulkheads	SC/SC, ST/ST, LC/LC
Cleaning Supplies	FiberWipes™ Mini-tub
	Cletop -SB with white tape
	Cletop replacement tape (white)
	FCC2 Fiber Connector Cleaner
	Connector Cleaning Tips (for cleaning in sockets): 2.5mm and 1.25mm
	One-Click Cleaner SC/ST/FC
	One-Click Cleaner LC/MU
	(2) Mandrels: 62.5mm, 3mm jacket and 50mm, 3mm jacket
	Stylus pen for the m200 touch screen
	USB thumb drive, 1G
	Plastic parts boxes to hold adaptors (Qty 3)
	Case to hold up to 12 jumpers (2 - 5meters in length)
Report Software	Windows® compatible software and user guide



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