



**BUYER'S GUIDE AND PRICE LIST**

March 23, 2004

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1. **PRICES:** All prices set forth are suggested selling prices, FOB Belmont, NH, USA. All prices and specifications are subject to change without notice. Contact our Sales Department to confirm price and delivery.  
 2. **ORDER ENTRY:** Minimum order \$100.00. All calibration and repair orders will be accepted by phone subject to confirmation by purchase order. When shipping equipment for repair, please include a complete description of the fault condition and a contact if additional information is required. EDI capable, call for more information. Address all orders and correspondence to:  
 Noyes, AFL Telecommunications  
 16 Eastgate Park Road Phone: 800-321-5298 (USA) or 603-528-7780  
 Belmont, NH 03220 Fax: 603-528-2025  
 3. **TERMS OF PAYMENT:** Terms of payment shall be net within thirty (30) days from date of invoice with approved credit.  
 4. **SHIPMENTS:** When a carrier is not specified, shipment will be made by the best surface-carrier available. RUSH ORDERS will be shipped as authorized. The customer shall bear the risk of in-transit loss or damage.  
 5. **CANCELLATION:** Unless otherwise agreed, in the event of cancellation, Noyes shall be reimbursed for all expenses incurred.  
 800-321-5298 (USA) or 603-528-7780

6. **PACKING:** All instruments shall be packed for shipment in accordance with standard commercial practices for protection during shipment and storage.  
 7. **WARRANTY:** All Noyes products are warranted against defective material and workmanship for a period of one year from date of delivery to original customer. Any product that is found to be defective within the warranty period will, at the option of Noyes, be repaired or replaced. This warranty does not apply to any products that have been repaired or altered except by Noyes or which have been subject to misuse, negligence, or accident. In no case shall Noyes liabilities exceed the original purchase price.  
 Notes: Unless otherwise specified all connectors are Ultra Physical Contact (UPC).  
 ST is a registered trademark of AT&T.  
 ESCON is a registered trademark of IBM.  
 MTP is a registered trademark of US Conec Ltd.  
 MPX is a registered trademark of TYCO Electronics Corp.

Buyer's Guide No pricing

### Optical Power Meters

Adapter caps are required for operation and must be ordered separately. For a list of available caps, see page 8. Includes carry case, protective rubber boot, and manual. OPM 5 and OPM 6 series includes serial cable. AC adapters are available for the OPM 5 and OPM 6 series—see table below.

Model	Calibrated Wavelengths (nm)									Detector Type	Measurement Range (dB)	Measurement Units	Power	Features			
	660	780	850	980	1300	1310 <sup>1</sup>	1480	1550	1625					Set. Ref.	PC Software & Storage	Wave ID Detect	2 KHz Detect
OPM 1-2C			◆		◆	◆		◆		Germanium	+6 to -60	dBm	9 volt				
OPM 1-3C			◆		◆	◆		◆		InGaAs	+6 to -70	dBm	9 volt				
OPM 4-1C	◆	◆	◆							Silicon	+6 to -70	dB, dBm	9 volt	◆			
OPM 4-2C			◆		◆	◆		◆		Germanium	+6 to -60	dB, dBm	9 volt	◆			
OPM 4-3C			◆		◆	◆		◆		InGaAs	+6 to -70	dB, dBm	9 volt	◆			
OPM 4-4C			◆	◆		◆	◆	◆	◆	InGaAs	+26 to -50	dB, dBm	9 volt	◆			
OPM 5-2C			◆		◆	◆		◆		Germanium	+6 to -60	dB, dBm, W	9 volt or AC	◆	◆		◆
OPM 5-3C			◆		◆	◆		◆		InGaAs	+6 to -70	dB, dBm, W	9 volt or AC	◆	◆		◆
OPM 5-4C			◆	◆		◆	◆	◆	◆	InGaAs	+26 to -50	dB, dBm, W	9 volt or AC	◆	◆		◆
OPM 6-2			◆		◆	◆		◆		Germanium	+3 to -55	dB, dBm, W	(2) AA or AC	◆	◆	◆	◆
OPM 6-3			◆		◆	◆		◆		InGaAs	+10 to -70	dB, dBm, W	(2) AA or AC	◆	◆	◆	◆
OPM 6-4						◆		◆	◆	InGaAs	+25 to -45	dB, dBm, W	(2) AA or AC	◆	◆	◆	◆

<sup>1</sup> OPM 5 and OPM 6 use a common calibration point for 1300 nm (multimode) and 1310 nm (singlemode).

### AC Adapter And Accessories for OPMs

Model	Description	OPM5C	OPM6
4050-00-0111	90-264VAC/9VDC, select power cord (see page 15)	◆	
4050-00-0112	90-264VAC/12VDC, select power cord (see page 15)		◆
6000-00-0023	USB to RS232 DB9M Cable	◆	◆
OLTS-00-0110	Serial Cable	◆	◆

### LED and Laser Light Sources

Includes carry case, protective rubber boot and manual. Specify connector type at end of model number (e.g. OLS 2-Dual-SC). AC Adapters are available; see table below.

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	1550	1625			FDA	IEC					
OLS 1-1C	◆	◆					2	LED	n/a	1	-10 @ 660 nm, -20 @ 850 nm	± 0.1 dB / 8 hrs.		ST	9 volt or AC
OLS 1-2C		◆	◆				2	LED	n/a	1	-20	± 0.1 dB / 8 hrs.		ST	9 volt or AC
OLS 1-Dual		◆	◆				1	LED	n/a	1	-20	± 0.1 dB / 8 hrs.		SC or ST	9 volt or AC
OLS 2-1300				◆			1	Laser	1	1	-5 <sup>1</sup>	± 0.1 dB / 1 hr.		FC, SC or ST	9 volt or AC
OLS 2-1550					◆		1	Laser	1	1	-5 <sup>1</sup>	± 0.1 dB / 1 hr.		FC, SC or ST	9 volt or AC
OLS 2-1625						◆	1	Laser	1	1	-3	± 0.1 dB / 1 hr.		FC, SC or ST	9 volt or AC
OLS 2-Dual				◆	◆		1	Laser	1	1	-5 <sup>1</sup>	± 0.1 dB / 1 hr.		FC, SC or ST	9 volt or AC
OLS2-CL				◆	◆		1	Laser	1	1	-10 dBm @ 1550, -3 dBm @ 1625	± 0.1 dB / 1 hr.		FC, SC or ST	9 volt or AC
OLS 4		◆	◆	◆	◆		2	LED & Laser	1	1	-20 dBm @ 850 nm, -20 dBm @ 1300 nm -5 dBm @ 1310 nm, -5 dBm @ 1550 nm	± 0.1 dB / 1 hr.		ST or SC	9 volt or AC
OLS 6-DM		◆	◆				1	LED	n/a	1	-20 <sup>1</sup>	± 0.1 dB / 1 hr.	◆	SC or ST	(2) AA or AC
OLS 6-DS				◆	◆		1	Laser	1	1	-5 <sup>1</sup>	± 0.1 dB / 1 hr.	◆	FC, SC or ST	(2) AA or AC
OLS 6-HO <sup>2</sup>				◆	◆		1	Laser	note 2	1	-2 <sup>1</sup>	± 0.1 dB / 1 hr.	◆	FC, SC or ST	(2) AA or AC

<sup>1</sup> Adjustable ± 1dB. <sup>2</sup> Not sold in the United States.

Note: FDA does not regulate LED sources.

Notes: 660 nm LED output power specified into 1000 µm fiber. All other LED output powers specified into 62.5 µm fiber. All Laser output powers are specified into 9/125 µm singlemode fiber.

### AC Adapters for Light Sources

Model	Description	OLS1	OLS2	OLS4	OLS6
4050-00-0111	90-264 VAC to 9 VDC, select power cord (see page 15)	◆	◆	◆	
4050-00-0112	90-264 VAC to 12 VDC, select power cord (see page 15)				◆

### OLS 1-Dual, OLS2-Dual and OLS4 Accessories

Model	Description	OLS1	OLS2	OLS4
8100-03-0001	ST Interface/ MM	◆		◆
8100-03-0003	SC Interface/ MM	◆		◆
8100-03-0002	FC Interface/ MM	◆		◆
8100-02-0004	SMA Interface/ MM	◆		◆
8400-00-0072	FC Interface/ SM		◆	◆
8400-00-0073	SC Interface/ SM		◆	◆
8400-00-0074	ST Interface/ SM		◆	◆

### Optical Loss Test Kits

Test Kits include an optical power meter, optical light source, adapter cap, carry case, protective rubber boots and manual. Specify one source/adaptor cap connector type when ordering (e.g. SLP 4-6-SC). Additional adapter caps may be ordered separately (see page 8). For available AC adapters see pages 2 and 3. Other test kit configurations are available upon request.

Model	Power Meter	Light Source	Fiber Type	Loss Measurements (nm)					Measurement Units	Dynamic Range	Available Connector Types	Features		
				850	1300	1310	1550	1625				Set Ref.	PC Software & Storage	Auto Dual $\lambda$ Testing
MLP 1-1S	OPM 1-2C	OLS 1-1C	MM	◆					dBm	40 dB @ 850 nm <sup>1</sup>	ST			
MLP 1-2	OPM 1-2C	OLS 1-2C	MM SM	◆	◆				dBm	40 dB @ 850 & 1300 nm <sup>1</sup> 20 dB @ 1300 nm <sup>2</sup>	ST			
MLP 4-1C	OPM 4-1C	OLS 1-1C	MM	◆					dBm	40 dB @ 850 nm <sup>1</sup>	ST	◆		
MLP 4-2	OPM 4-2C	OLS 1-2C	MM SM	◆	◆				dB, dBm	40 dB @ 850 & 1300 nm <sup>1</sup> 22 dB @ 1300 nm <sup>2</sup>	ST	◆		
MLP 5-2B	OPM 5-2C	OLS 1-Dual	MM SM	◆	◆				dB, dBm, W	40 dB @ 850 & 1300 nm <sup>1</sup> 22 dB @ 1300 nm <sup>2</sup>	SC or ST	◆	◆	
MLP 6-2	OPM 6-2	OLS 6 DM	MM	◆	◆				dB, dBm, W	35 dB @ 850 & 1300 nm <sup>1</sup>	SC or ST	◆	◆	◆
SLP 1-4	OPM 1-3C	OLS 2-1300	SM			◆			dBm	60 dB @ 1310 nm <sup>2</sup>	FC, SC or ST			
SLP 1-6	OPM 1-3C	OLS 2-Dual	SM			◆	◆		dBm	60 dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST			
SLP 4-CL	OPM 4-4C	OLS 2-CL	SM				◆	◆	dB, dBm	40dB @ 1550 & 1625 nm <sup>2</sup>	FC, SC or ST	◆		
SLP 4-4	OPM 4-3C	OLS 2-1300	SM			◆			dB, dBm	60 dB @ 1310 nm <sup>2</sup>	FC, SC or ST	◆		
SLP 4-6	OPM 4-3C	OLS 2-Dual	SM			◆	◆		dB, dBm	60 dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆		
SLP 4-6D	OPM 4-4C	OLS 2-Dual	SM			◆	◆		dB, dBm	40dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆		
SLP 5-CL	OPM 5-4C	OLS 2-CL	SM				◆	◆	dB, dBm, W	40dB @ 1550 & 1625 nm <sup>2</sup>	FC, SC or ST	◆	◆	
SLP 5-4	OPM 5-3C	OLS 2-1300	SM			◆			dB, dBm, W	60 dB @ 1310 nm <sup>2</sup>	FC, SC or ST	◆	◆	
SLP 5-6	OPM 5-3C	OLS 2-Dual	SM			◆	◆		dB, dBm, W	60 dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆	◆	
SLP 5-6D	OPM 5-4C	OLS 2-Dual	SM			◆	◆		dB, dBm, W	40dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆	◆	
SLP 6-3	OPM 6-3	OLS 6 DS	SM			◆	◆		dB, dBm, W	60 dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆	◆	◆
SMLP 4-4	OPM 4-2C	OLS 4	MM SM	◆	◆	◆	◆		dB, dBm	40 dB @ 850 & 1300 nm <sup>1</sup> 50 dB @ 1310 & 1550 nm <sup>2</sup>	FC, SC or ST	◆		
SMLP 5-5	OPM 5-2C	OLS 4	MM SM	◆	◆	◆	◆		dB, dBm, W	40 dB @ 850 & 1300 nm <sup>1</sup> 50 dB @ 1310 & 1550 nm <sup>2</sup>	FC, ST or SC	◆	◆	
SMLP 6-2	OPM 6-2	OLS 6 DM OLS 6 DS	MM SM	◆	◆	◆	◆		dB, dBm, W	35 dB @ 850 & 1300 nm <sup>1</sup> 45 dB @ 1310 & 1550 nm <sup>2</sup>	SC or ST FC, SC or ST	◆	◆	◆

<sup>1</sup> On 62.5/125  $\mu$ m multimode fiber. <sup>2</sup> On 9/125  $\mu$ m singlemode fiber.

**OTDRs (M600 and M100 series)**

**M600 Mini-OTDR:** Includes CompactFlash™ memory card, keyboard, trace analysis PC software, carry case, (1) removable lead-acid battery, AC adapter (specify power cord; see page 15) and manual. Specify connector type at the end of model number (e.g. M600-K-MM1-ST). In M600 "QUAD" models specify multimode connector (xx) first then singlemode connector (yy) (e.g. M600-K-QUAD-ST-FC).

**M100 Handheld OTDR:** Includes CompactFlash™ memory card, trace analysis software, carry case, AC adapter (specify power cord; see below), manual, plus switchable SC, FC, and ST adapters.

Model	Wavelengths (nm)				Dynamic Range (dB)	Event Dead Zone (m)	Attenuation Dead Zone (m)	Number of Traces Stored on CF Card	Emitter Type	Safety Class	Available Connector Types	Power	Internal Charging	Trace Storage			
	Multimode		Singlemode											Color Display	Compact Flash™	3.5-inch Floppy	Size
	850	1300	1310	1550													
M600-K-MM1-xx	◆	◆			21/23	5	15	1500	Laser	1	SC or ST	Removable Lead Acid or AC	◆	VGA	◆	◆	Mini
M600-K-SM1-yy			◆	◆	26/26	5	15	1500	Laser	1	SC, FC or ST		◆	VGA	◆	◆	Mini
M600-K-QUAD-xx-yy	◆	◆	◆	◆	21/23/26/26	5	15	1500	Laser	1	SC, FC or ST		◆	VGA	◆	◆	Mini
M100-K-QUAD	◆	◆	◆	◆	21/23/26/26	10	20	400	Laser	1	SC, FC & ST	NiMH Or AC	◆	¼ VGA	◆		Hand Held
M100-K-SM			◆	◆	21/23/26/26	10	20	400	Laser	1	SC, FC & ST	NiMH Or AC	◆	¼ VGA	◆		Hand Held
M100-K-MM	◆	◆			21/23/26/26	10	20	400	Laser	1	SC, FC & ST	NiMH Or AC	◆	¼ VGA	◆		Hand Held

**M600 Accessories**

Model	Description
M600-VFI	650nm visible laser source with 2.5 mm universal adapter
M600-K	M600 mainframe with no modules
M600-MM1-xx	Dual multimode module (850/1300 nm)
M600-SM1-yy	Dual singlemode module (1310/1550 nm)
5150-00-0100	External Keyboard
4050-00-0109	AC Adapter 90-260 VAC to 18 VDC, specify power cord (see page 15)
3900-02-0100	Spare Battery
M600-00-0902	FC Adapter Kit
M600-00-0900	SC Adapter Kit
M600-00-0901	ST Adapter Kit

**M100 Power Cords**

Please specify power cord type (country) when ordering an AC Adapter. One power cord is included with each AC Adapter. Additional power cords may be purchased separately.

Model	Country	Description
6000-12-0001	USA	2 COND, IEC 320-C7
6000-12-0002	EURO	2 COND, 7.5 AMP, IEC 320-C7 TYPE B
6000-12-0003	UK	2 COND, 320-C7 TYPE D
6000-12-0004	AUSTRALIA	2 COND, IEC-320-C7 TYPE C
6000-12-0005	INDIA	2 COND, IEC-320-C7 TYPE G
6000-12-0006	JAPAN	2 COND, IEC-320-C7 TYPE M

**M100 Accessories**

M100-00-0108	CompactFlash Card Holder
M100-00-0107	M100 battery pack
2900-50-0002	FC adapter
2900-50-0003	SC adapter
2900-50-0004	ST adapter
2900-50-0006	LC adapter

### OTDR Test Cables: FR Series Fiber Rings and FB Series Fiber Boxes

To measure the insertion loss of the near- and/or far-end connection to a fiber optic link an OTDR requires a launch and/or receive test cable, which essentially are test jumpers that can range from about 100 m to over 1 km in length. Because very long test jumpers are impractical to transport and use, Noyes offers coiled lengths of 50 μm multimode, 62.5 μm multimode, or singlemode fiber, packaged in compact rings or boxes, for use as OTDR test cables. Noyes FR series “fiber rings”, which provide 150 m of fiber, are ideal for premises fiber network test applications. FB series “fiber boxes”, which are offered in standard configurations of 500 m and 1 km of singlemode fiber, are designed for broadband, long-haul fiber network test applications.

NOTE: FB series fiber boxes are also available with user specified fiber type and length. Call for details.

#### Fiber Boxes

Model	Configuration	Fiber Type	Fiber Length
FB1-SM-500-y1-y2	Standard, one fiber	Singlemode, SMF-28	500 m (1640 ft)
FB1-SM-1000-y1-y2	Standard, one fiber	Singlemode, SMF-28	1000 m (3281ft)

x1, x2 — connectors for multimode cables, specify type (e.g. ST, SC)

y1, y2 — connectors for singlemode cables, specify type (e.g. ST, SC, FC)

Other connector types, fiber types, and fiber lengths will be quoted upon request.

#### Fiber Rings

Model	Configuration	Fiber Type	Fiber Length
FR1-M5-150- x1- x2	Standard, one fiber	Multimode, 50 μm	150 m (492 ft)
FR1-M6-150- x1- x2	Standard, one fiber	Multimode, 62.5 μm	150 m (492 ft)
FR1-SM-150- y1- y2	Standard, one fiber	Singlemode	150 m (492 ft)
FR3-M5-x1-MTRJ	MT-RJ near-end, A and B fibers	Multimode, 50 μm	150 m (492 ft)
FR3-M6-x1-MTRJ	MT-RJ near-end, A and B fibers	Multimode, 62.5 μm	150 m (492 ft)
FR3-SM-x1-MTRJ	MT-RJ near-end, A and B fibers	Singlemode	150 m (492 ft)
FR4-M5-MTRJ	MT-RJ loop-back, one fiber	Multimode, 50 μm	150 m (492 ft)
FR4-M6-MTRJ	MT-RJ loop-back, one fiber	Multimode, 62.5 μm	150 m (492 ft)
FR4-SM-MTRJ	MT-RJ loop-back, one fiber	Singlemode	150 m (492 ft)

x 1, x2 — connectors for multimode cables, specify type (e.g. ST, SC)

y1, y2 — connectors for singlemode cables, specify type (e.g. ST, SC, FC)

Other connector types, fiber types, and fiber lengths will be quoted upon request.

### Microscopes for Connectors on Patch Cords (OFS 300, VS 300)

The OFS-300-200C, OFS-300-400C, and VS 300 are hand-held microscopes used to inspect fiber optic connectors on patch cords and test jumpers. The OFS 300-200C and OFS-300-400C are high-resolution optical microscopes with integrated infrared safety filters. The VS 300 is a *video* microscope with no direct optical path from the connector under inspection to the user. Each scope includes a 2.5 mm universal adapter cap and neck strap. Other style adapter caps are available. The OFS 300-200C and VS 300 use *thread-on* adapter caps (see page 8). The OFS 300-400C uses the *snap-on* adapter caps listed in the table below. VS 300 includes soft carry case

Model	Nominal Magnification	Adapter Mount	Infrared Safety Filter	Power
OFS 300-200C	200x	Thread-on	Schott KG3	(2) AA alkaline
OFS 300-400C	400x	Snap-on	Schott KG3	(2) AA alkaline
VS 300	400x	Thread-on	Not required – no optical path to user	(2) AA alkaline

### OFS 300 Accessories

Model	Description
2460-10-0002	Spare bulb for OFS 300-200B (5 minimum)
2460-10-0001	Spare bulb for OFS 300-400 and OFS 300-200 (5 minimum)
2900-10-0003	Zoom Lens (200X – 400X zoom) for OFS 300-400 scope only
1400-01-0005	Soft Carry Case
OFS1-00-0100	Hard Carry Case
2900-10-0001	Tripod Stand (table top)
1400-01-0025	Holster
2900-10-0004	20X Eyepiece

### VS 300 Accessories

Model	Description
1400-01-0005	Soft Carry Case
VOS3-00-0109	Hard Carry Case
VOS3-00-0104	Replacement Eyepiece
2900-10-0001	Tripod Stand (table top)
4050-00-0115	AC Adapter 110 VAC / 9 VDC
VOS3-00-0107	Video Cable, VS to VFS 1 Display
VOS3-00-0108	Video Cable, VS to RCA Plug

### Adapter Caps – Inspection (OFS-300-400 only)

Noyes snap-on adapter caps are used only with our OFS-300-400C microscope.

Model	Description
8800-02-0252	1.25 mm Universal
8800-02-0019	2.5 mm Universal
8800-02-0007	FC
8800-02-0009	SC
8800-02-0014	ST
8800-02-0011	DIN 47256
8800-02-0012	SMA
8800-02-0008	Biconic
8800-02-0010	D4
8800-02-0017	Hughes
8800-02-0032	EC
8800-02-0030	Angled FC
8800-02-0031	Angled SC
8800-02-0245	E-2000
8800-02-0246	Angled E-2000
8800-02-0102	MTP
8800-02-0103	Angled MTP
8800-02-0056	1.6 mm Ferrule (pin)
8800-02-0057	2.0 mm Ferrule (pin)

**Adapter Caps- Power Meter And Inspection  
(OPM ports, OFS 300-200,VS 300)**

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.

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

**Adapter Caps – Inspection Only  
(OFS 300-200 and VS 300)**

Noyes thread-on angled and multifiber adapter caps are used to mate angled single-fiber as well as angled or non-angled multifiber connectors to our OFS-300-200C and VS 300 microscopes. Do not use the following adapter caps with our optical power meters or other test sets to measure optical power.

Model	Description
8800-00-0215	FDDI Kit
8800-00-0218	Angled FC
8800-00-0220	Angled SC
8800-00-0229	Angled E-2000
8800-00-0233	MTP <sup>®</sup> 0°
8800-00-0234	MTP <sup>®</sup> 8°
8800-00-0235	SMC 0°
8800-00-0236	Backplane 1.25 mm
8800-00-0237	MPX <sup>®</sup>
8800-00-0238	Angled MPX <sup>®</sup>
8800-00-0239	RCG
8800-00-0241	0° MT Ferrule
8800-00-0242	8° MT Ferrule
8800-00-0244	1.6mm Ferrule (pin)
8800-00-0248	2.0mm Ferrule (pin)



**Loss / Return Loss Test Sets (T500, OLTS 5, and ORL 3)**

**Turbotest 500B Series** - Includes APC/UPC test jumper, software, adapter cap, carry case, serial cable, hex driver, screwdriver, mandrel, AC adapter - specify power cord (see page 15), protective rubber boot and manual. A headset is included when ordered with talk option. Specify connector type (e.g. T504B-Y-SC is a 1310/1550/ Turbo with 1550 nm Talk Set Option and a SC connector).

**OLTS 5 Series** - Includes software, adapter cap and case. AC adapter are available; see table below.

Model	Center Wavelengths (nm)					Emitter Type	Safety Class		Detector Type	Optical Power Measurement Range (dBm)	Optical Power Measurement Units	ORL Dynamic Range (dB)	Available Connector Types	Features				Power
	850	1300	1310	1550	1625		FDA	IEC						Auto Dual $\lambda$ Bi-Dir Testing	Talk Set Option 45 dB 1310 nm	Talk Set Option 45 dB 1550 nm	PC Software	
T503B			◆	◆		Laser	1	1	InGaAs	+6 to -70	dB, dBm, W	65	ASC or AFC	◆			◆	Lithium Ion or AC
T503B-T			◆	◆		Laser	1	1	InGaAs	+6 to -70	dB, dBm, W	65	ASC or AFC	◆	◆		◆	
T503B-Y			◆	◆		Laser	1	1	InGaAs	+6 to -70	dB, dBm, W	65	ASC or AFC	◆		◆	◆	
T504B			◆	◆		Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆			◆	
T504B-T			◆	◆		Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆	◆		◆	
T504B-Y			◆	◆		Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆		◆	◆	
T505B				◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆			◆	
T505B-T				◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆	◆		◆	
T505B-Y				◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆		◆	◆	
T506B			◆	◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆			◆	
T506B-T			◆	◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆	◆		◆	
T506B-Y			◆	◆	◆	Laser	1	1	InGaAs	+26 to -50	dB, dBm, W	65	ASC or AFC	◆		◆	◆	
OLTS 5-3			◆	◆		Laser	1	1	InGaAs	+6 to -70	dB, dBm, W	N/A	ST, SC or FC	2 Fiber			◆	AA Alkaline (AA NiMH or AC optional) See below
OLTS 5-5				◆	◆	Laser	1	1	InGaAs	+6 to -70	dB, dBm, W	N/A	ST, SC or FC	2 Fiber			◆	
ORL3B-MM	◆	◆				LED	1	1	InGaAs	+6 to -70	dB, dBm, W	40	ST, SC or FC				◆	Lithium Ion or AC

**AC Adapters for T500B, OLTS 5 and Accessories**

Model	Description	T500	T500B	ORL3	OLTS 5
4050-00-0112	90-264VAC/47-63Hz, select power cord (see page 15)			◆	◆
4050-00-0107	120 VAC/10.5VDC	◆			
4050-00-0109	90-260VAC/18VDC, select power cord (see page 15)		◆		
6000-00-0023	USB to RS232 DB9M	◆	◆	◆	◆
3900-04-0106	NIMH-AA Battery Pack				◆

### DWDM Wavelength and Optical Power Meter (WSP 100)

The WSP 100 includes software, 2.5 mm adapter cap, soft carry case, serial cable, AC adapter – specify power cord (see page 15), protective rubber boots and manual.

Model	WSP Mode					OPM Mode			Battery Life	
	Wavelength Measurements		Power Measurements		OSNR <sup>3</sup>	Optical Connector	Detector Type	Calibrated Wavelength		Optical Connector
	Test Range	Absolute Accuracy <sup>1</sup>	Power Measurement Range per Channel	Accuracy <sup>2</sup>						
WSP 100	60 nm (typical 1520 – 1625 nm)	± 0.05 nm (typical < ± 0.03 nm)	-50 to + 2 dBm	± 0.5 dB	35 dB at 0.8 nm (at 100 GHz) 30 dB at 0.4 nm (at 50 GHz) > 25 dB at 0.2 nm (at 25 GHz)	FC and SC	Filtered InGaAs	850, 980, 1310, 1480, 1550, 1625 nm	Universal	6 hrs. 14.8 V 1800 mAH Lithium Ion

<sup>1</sup> At the room temperature. <sup>2</sup> With the input of -30.00 dBm at 1570.00 nm. <sup>3</sup> For a single channel.

### Premises Optical Fiber Link Certification Test Sets (T400)

T400 kits include main unit, remote unit, (2) adapter caps, carry case, (8) AA Alkaline batteries, (2) AC adapters – specify power cord (see page 15). Specify one source/adapter cap type when ordering (e.g. T410-ST). Additional adapter caps may be ordered separately (see page 8).

Model	Center Wavelengths (nm)				Emitter Type	Safety Class		Detector Type	Link Certification Range		Power Meter Measurement Range (dBm)	Available Connector Types	Power	Features		
	850	1300	1310	1550		FDA	IEC		Loss (dB)	Length (km)				Pass/Fail Results	Stores results for 1,000 fibers	PC Software
<i>For Building and Campus Networks</i>																
T 410	◆	◆			LED	N/A	1	Ge	11	5	0 to -40	SC or ST	(4) AA Alkaline or AC	◆	◆	◆
T 420			◆	◆	Laser	1	1	Ge	11	20	0 to -40	FC, SC or ST	(4) AA Alkaline or AC	◆	◆	◆

### T400 Accessories and AC Adapters

Model	Description
4050-00-0112	AC adapter 100-240VAC/12VDC, specify power cord (see page 15)
6000-00-0003	Serial Cable, 9 pin M – 9 pin F
6000-00-0023	USB to RS232 DB9M cable

**VFS 1 -- Microscopes for Connectors in Panels (VFS 1)**

Microscopes include probe, display unit, AC Adapter – specify power cord (see page 15), neck strap, external battery charger, one lead-acid battery, carry case and manual. Adapter tips are required and must be ordered separately. See *VFS 1 Adapter Tips* table below for a list of available tips.

Model	Description	Nominal Magnification	Video Out	CE Marking	Power
VFS 1B VFS 1C	Probe with 5" (12 cm) LCD Display Unit	140x with 5" LCD Display 300x with 5" LCD Display	NTSC	no	lead acid or AC
VFS 1B-CE VFS 1C-CE	Probe with 5" (12 cm) LCD Display Unit	140x with 5" LCD Display 300x with 5" LCD Display	PAL	yes	lead acid or AC

**AC Adapters and Battery Chargers for VFS 1**

Model	Description	Input/Output	Plug Type	VFS1C	VFS1C-CE	VFS1C-PC	VFS1C-PCE
4050-00-0109	AC adapter	90-260VAC / 18VDC	Select power cord (see page 15)	◆	◆		

**Adapter Tips for VFS 1**

Model For VFS 1 probe	Model For VFS 1B or C probe	Description
VFS1-01-0117	VFS1-21-0115	1.25 mm Universal (for patch cords)
VFS1-01-0112	VFS1-21-0116	2.5 mm Universal (for patch cords)
VFS1-01-0109	VFS1-21-0105	ST
VFS1-01-0107	VFS1-21-0109	FC
VFS1-01-0108	VFS1-21-0118	SC
VFS1-01-0113	VFS1-21-0108	LC
VFS1-91-0200	VFS1-91-0201	MU Backplane (Kit)
VFS1-01-0115	VFS1-21-0112	E-2000
VFS1-01-0120	VFS1-21-0113	DIN 47256
VFS1-01-0110	VFS1-21-0107	Angled FC
VFS1-01-0121	VFS1-91-0202	Right Angled FC
	VFS1-21-0123	1.6mm pin termini
	VFS1-21-0122	1.6mm socket termini
	VFS1-21-0121	SMA

Model For VFS 1 probe	Model For VFS 1B or C probe	Description
	VFS1-21-0125	2.0mm pin termini
	VFS1-21-0126	2.0mm socket termini
VFS1-01-0111	VFS1-21-0106	Angled SC
VFS1-01-0116	VFS1-21-0111	Angled E-2000
VFS1-01-0118	VFS1-21-0117	Biconic
VFS1-01-0119	VFS1-21-0110	EC Radiall
VFS1-01-0123	VFS1-21-0114	D4
VFS1-01-0246	N/A	MU
N/A	VFS1-21-0120	DS Connector
	VFS1-21-0205	Thread Converter (convert existing VFS 1 adapters tips for use with new VFS 1B)

**VFS 1 Accessories and Spare Parts**

Model	Description
3900-02-0002	Spare Battery for VFS 1B or VFS 1B-CE

**VFS 2..Microscopes for Connector in Panels (VFS2)**

VFS2-00-0900 and VFS2-00-0902 include probe, display unit, 2.5mm universal adapter tip, AC Adapter, (specify power cord see page 15), one internal lithium-ion battery, carry case and manual. VFS2-00-0903 and VFS2-00-0904 include probe, USB interface unit (VCP1), carry case and manual. Adapter tips are required and sold separately

Model	Description	Nominal Magnification	Video Out	CE Marking	Power
VFS2-00-0900	Probe with 31/2 (9 cm) LCD Display Unit	250X	NTSC	no	Li-Ion or AC
VFS2-00-0902	Probe with 5" (12 cm) LCD Display Unit	350X	NTSC	no	Li-Ion or AC
VFS2-00-0903	Probe with USB interface and basic SW (Requires computer with display)	Depends on window size >500X with 9" Display	NTSC	no	NA
VFS2-00-0904	Probe with USB interface andTamar SW (Requires computer with display)	Depends on window size >500X with 9" Display	NTSC	no	NA

**Adapter Tips for VFS2**

Model	Description
<b>VFS2 Probe</b>	
VFS2-02-0100	FC
VFS2-02-0101	SC
VFS2-02-0102	ST
VFS2-02-0103	2.5mm Universal (for patch cords)
VFS2-02-0104	1.25mm Universal (for patch cords)
VFS2-02-0105	2.0mm Universal for male Mil C 28876
VFS2-02-0106	2.0mm Universal for Female Mil C 28876
VFS2-02-0108	1.6mm Universal for male Mil C 38999
VFS2-02-0109	1.6mm Socket for Female Mil C 38999
VFS2-02-0110	AFC
VFS2-02-0111	ASC
VFS2-02-0112	LC
VFS2-02-0113	SC2
VFS2-02-0114	D4
VFS2-02-0118	Biconic
VFS2-02-0125	VFS2 to OFS adapter cap

**VFS2 Accessories and Spare Parts**

Model	Description
4050-00-0118	AC Adapter, specify power cord (see page 15)
VFS2-00-0001	VFS2 Probe Only
VCP1-00-0900	Video Capture Port-USB interface and basic Software
VCP1-00-0901	Video Capture Port-USB interface with Tamar Software
VFd2-00-0001	VFS2 Display only

### Visual Fault Identifiers (HiLite and VFI 2)

Visual fault identifiers (VFI), also called visual fault locators (VFL) use powerful red lasers to trace and troubleshoot singlemode or multimode optical fiber links. A VFI can identify bends and breaks in 3 mm and 900 µm jacketed patch cords as well as bare fiber in splice trays. The palm-sized HiLite and hand-held VFI 2 are equipped with (1) AAA and (2) AA batteries respectively.

Model	Wavelength	Optical Output Power (into singlemode fiber)	Emitter Type	Safety Class		Connector Type	Power
				FDA	IEC		
VFI 2	650 nm	1 mW, 2Hz or CW	Laser	2	2	Universal 2.5 mm	2 AA (60 hours)
HiLite	650 nm	1 mW, 2Hz	Laser	2	2	Universal 2.5 mm	1 AAA Alkaline (4 hours)

### Accessories for HiLite and VFI 2

Model	Description	HiLite	VFI 2
8500-10-0008	2.5 to 1.25 Converter	◆	◆
2900-30-0001	Universal 2.5mm adapter	◆	◆
2900-30-0002	Zirconia split sleeve	◆	◆
8100-03-0004	Bronze split sleeve	◆	◆

### MT Tracer (12-fiber VFI and display)

The MT Tracer kit includes an MT Tracer Source, MT Tracer Display, and carry case. The MT Tracer Source, which may be used as a multifiber VFI, provides 12 separately controlled visible lasers. The MT Tracer can illuminate a selected fiber or automatically sequence through all 12 fibers. The MT Tracer display uses passive optics to show the light received on each fiber being traced. When used together, the MT Tracer Source and Display provide a fast way to trace (verify connectivity) a 12-fiber link. Both source and display are equipped with male (pinned) 12-fiber MTP® connectors.

Model	Wavelength	Optical Output Power (into singlemode fiber)	Emitter Type	Safety Class		Connector Type	Power
				FDA	IEC		
MT Tracer Source	650 nm	1 mW, 2Hz or CW	Laser	2	2	MTP®	2 AA (40 hours)

Model	Description
MT Tracer Display	Provides eye-safe viewing of visible light
MT Tracer Kit	MT Tracer Source, MT Tracer Display and carry case

### AC Adapter for the MT Tracer Source

Model	Description
4050-00-0113	AC Adapter, 120VAC / 3VDC, specify power cord (see page 15)
4050-00-0103	AC Adapter, 220VAC / 9VDC (European)

### Optical Attenuator (VOA 5 and SVA 1)

Includes carry case and instruction card. Specify connector type (e.g. SVA 1-FC). APC termination for the SVA 1 is available for an additional \$100.

Model	Calibrated Wavelengths or Range, NM	Fiber Type		Insertion Loss	Attenuation Range	Return Loss	Connector Type	Power
		MM (62.5 μm)	SM (9 μm)					
SVA 1	1250nm -1650nm		◆	≤ 1.5 dB @ 1310 nm	0 to 60 dB	50 dB	FC or SC	N/A
VOA5 SM	1310nm & 1550nm		◆	≤ 2 dB @ 1310/1550 nm	60 dB	40 dB	SC, ST or FC	(2) AA alkaline or AC adapter or NiMH (optional)
VOA5 MM	850nm & 1300nm	◆		≤ 1.5 dB @ 850 3.0 dB @ 1300 nm	30 dB	18 dB	SC, ST or FC	

### Optical Fiber Identifier (OFI 200B/C/D)

Includes carry case and manual.

Model	Detector Type	Fiber Coating Type *recommended	Wavelength Range	Insertion Loss (typical, dB)		Power	Features		
				1310 nm	1550 nm		Identifies Light Carrying Fiber	Indicates Tone	Indicates Direction of Traffic
OFI 200 D	InGaAs	250 mm, 900 mm, 3 mm jacketed and Ribbon Fiber	1310 - 1550 nm	0.3	1.5	9 volt Alkaline	◆	◆	◆

### Fiber Optic Talk Sets

Includes two talk sets with carry case, headsets, protective rubber boots and manual. Specify connector type (e.g. FTS 2-1310-SC). AC adapters are available—see table below.

Model	Wavelength (nominal)	Fiber Type		Dynamic Range	Output	Available Connector Types	Power	Features		
		MM	SM					One Fiber	Digital Modulation	Multiparty
FTS 1-2	1300 nm	◆	◆	20 dB <sup>1</sup>	Class I	FC, SC or ST	9 volt or AC	◆	◆	
FTS 2 - 1310	1310 nm		◆	45 dB	Class I	FC, SC or ST	(4) AA Alkaline	◆	◆	◆
FTS 2 - 1550	1550 nm		◆	45 dB	Class I	FC, SC or ST	(4) AA Alkaline	◆	◆	◆

<sup>1</sup> On singlemode fiber.

### FTS Accessories and AC Adapters

Model	Description	FTS1	FTS2	VOA5
4050-00-0111	AC Adapter 90-264VAC/9VDC, specify power cord (see page 15)	◆	◆	
8500-10-0900	FTS-20C Clip-On Coupler		◆	
4050-00-0112	AC adapter 100-240VAC/12VDC,specify power cord (see page 13)			◆

**Miscellaneous**

**Multimode Test Jumpers**

(62.5/125µm-2 meters)

Model	Description
8700-00-0044	SC/SC
8700-00-0045	SC/ST
8700-00-0003	ST / ST
8700-00-0004	ST / SMA
8700-00-0015	FDDI / FDDI
8700-00-0009	FDDI / ST

**Singlemode Test Jumpers**

(9/125µm-2 meters)

Model	Description
8700-00-0005	FC / FC
8700-00-0016	FC / ST
8700-00-0021	FC / SC
8700-00-0018	SC / SC
8700-00-0022	SC / ST
8700-00-0032	FC-APC / FC-UPC
8700-00-0033	SC-APC / FC-UPC
8700-00-0034	SC-APC / SC-UPC

**Mating Adapters ("Bulkheads")**

All adapters listed here meet singlemode mechanical tolerance requirements and therefore are recommended for *both* multimode and singlemode testing applications.

Model	Description
8400-00-0004	FC
8400-00-0020	ST
8400-00-0027	Biconic
8400-00-0029	SC/FC
8400-00-0045	SC/SC
8400-00-0054	SC/ST

**Bare Fiber Test Accessories**

Model	Description
8500-10-0007	Bare Fiber Test Connector
8400-00-0047	SC Terminator
8400-00-0048	FC Terminator

**Inspection Reference Artifacts**

Model	Description
IRA1-00-0900	Line pair and target patterns

**Mandrels for multimode link testing**

The following mandrels may be used to meet the transmit jumper mandrel-wrap requirements of TIA/EIA-568 B.3 (Section 7.1) when testing multimode links using an LED source.

Model	Description
5400-00-0201	Mandrel, 62.5 µm fiber, 3mm jacket
5400-00-0202	Mandrel, 50 µm fiber, 3mm jacket
5400-00-0900	Kit with two mandrels, 62.5 and 50 µm fiber, 3mm jacket

**Power Cords**

Please specify power cord type (country) when ordering an AC Adapter. One power cord is included with each AC Adapter. Additional power cords may be purchased separately.

Model	Country	Description
6000-00-0001	USA	3COND, IEC320, 115V
6000-00-0012	Euro	3COND, IEC320, 250V, TYPE B
6000-00-0015	UK	3COND, IEC320, 250V, TYPE D
6000-00-0016	Australia	3COND, IEC320, 250V, TYPE C
6000-00-0017	Denmark	3COND, IEC320, 250V, TYPE E
6000-00-0018	Japan	2COND, IEC320, 250V, TYPE M
6000-00-0019	Swiss	3COND, IEC320, 250V, TYPE L
6000-00-0020	Italy	3COND, IEC320, 250V, TYPE I
6000-00-0021	Israel	3COND, IEC320, 250V, TYPE H
6000-00-0022	India	3COND, IEC320, 250V, TYPE G

### Fiber Optic Cleaning, Inspection, and Test Kits

Each kit includes the Noyes OFS300 Optical Fiber Scope and high quality connector and adapter cleaning materials including, PREP connector cleaner, ACT-01 adapter cleaner tips for 2.5 mm, ACT-02 adapter cleaner tips for 1.25 mm, and pre-moistened alcohol pads. If none of the kits listed below meet your cleaning, inspection, and testing needs please call Noyes for custom configurations or substitutions.

Model	Description	Cleaning Materials						Light Source Wavelengths (nm)				Connector Style	Test Equipment Included				
		Act-01 5pc/pk	Act-02 5pc/pk	KimWipes	PREP	PREP replacement roll	AlcoPad 806	850	1300	1310	1550		OFS300-200C	HiLite	Power Meter	Light Source	OFI200B
OFS1-92-0904	Basic Cleaning and Inspection Kit	5pk	5pk	Nil	1pc	Nil	40pc					N/A	◆				
OPM4-94-0900	Basic Cleaning and Inspection Kit	40pk	Nil	1box	1pc	1pc	40pc			◆	◆		◆		OPM4-4C		
MLP4-92-0900	Premises Kit	5pk	5pk	Nil	1pc	Nil	40pc	◆	◆			ST	◆	◆	OPM 4-2C	OLS 1-2	
SLP4-96-0900	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	FC	◆	◆	OPM 4-4C	OLS 2-Dual	
SLP4-96-0901	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	SC	◆	◆	OPM 4-4C	OLS 2-Dual	
SLP4-96-0902	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	ST	◆	◆	OPM 4-4C	OLS 2-Dual	
SLP4-96-0905	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	FC	◆	◆	OPM 4-4C	OLS 2-Dual	◆
SLP4-96-0904	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	SC	◆	◆	OPM 4-4C	OLS 2-Dual	◆
SLP4-96-0903	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	ST	◆	◆	OPM 4-4C	OLS 2-Dual	◆
SLP5-96-0902	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	FC	◆	◆	OPM 5-4C	OLS 2-Dual	◆
SLP5-96-0901	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	SC	◆	◆	OPM 5-4C	OLS 2-Dual	◆
SLP5-96-0900	Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	ST	◆	◆	OPM 5-4C	OLS 2-Dual	◆
SLP6-93-0900	Deluxe Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	SC	◆	◆	OPM 6-3	OLS 6 DS	◆
SLP6-93-0901	Deluxe Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	FC	◆	◆	OPM 6-3	OLS 6 DS	◆
SLP6-93-0902	Deluxe Telecom Kit	5pk	5pk	Nil	1pc	Nil	40pc			◆	◆	ST	◆	◆	OPM 6-3	OLS 6 DS	◆



### FCP1 CLEANING KITS

AFL Telecommunications offers a complete selection of Noyes brand fiber optic cleaning kits for field cleaning of connector end faces in fiber frames, adapters and on jumpers. Using our exclusive FCC2 non-hazardous cleaning fluid and CCT molded cleaning tips, the FCP1 Series of kits delivers compact, safe, easy to use, reliable cleaning for all types of fiber optic connector end faces including Military and Multiple Fiber Ferrule designs.

A wide variety of pre-stocked kits make ordering easy. Choose from the following standard kits or call us at 800-321-5298 for a custom kit to meet your application needs.

**Each kit consists of a wall or rack mountable carry case, FCC2 cleaning fluid, and color-coded instructions. Each stick is double ended, designed for 2 cleanings**

PART NUMBER	DESCRIPTION	CCTS-25-0900 40 pieces for FC, SC, ST Adapters BLUE	CCTS-12-0900 40 pieces for LC, MU Adapters GREEN	CCTS-16-0900 40 pieces for D4 and Mil Socket Adapters ORANGE	CCTP-25-0900 20 pieces for All Connector End YELLOW	CCTX-MT-0900 20 pieces for MTP, MPO, MPX PINK	CLETOP	VS300 VIEW SAFE SCOPE	
FCP1-00-0900	Cleaning Kit	1	1		2		1		
FCP1-00-0901	Cleaning Kit	1			2		1		
FCP1-00-0902	Cleaning Kit	1			2				
FCP1-00-0903	Cleaning Kit	1	1	1	2	2			
FCP1-00-0904	Cleaning Kit	1	1	2	6				
FCP1-00-0905	Cleaning Kit	1	1	1	2		1		
FCP1-00-0906	Cleaning Kit	1	1	1	2				
FCP1-00-0907	Cleaning Kit	3	1		1	1			
FCP1-00-0908	Cleaning Kit	3	1		1	1	1		
FCP1-00-0909	Cleaning Kit	3			1				

FCP1-01-0900	Cleaning Kit with Scope	1			2		1	1	
FCP1-01-0901	Cleaning Kit with Scope	1			2			1	
FCP1-01-0902	Cleaning Kit with Scope	1	1	1	2		1	1	
FCP1-01-0903	Cleaning Kit with Scope	1	1	1	2			1	

### Cleaning Supplies

\*\*\*\*\*each stick is double ended designed for 2nd cleaning

Model	Description Cleaning Materials
FCC2-00-0900 FCC2-00-0901	Optical Quality Cleaning Fluids-nonflammable, not hazardous, not regulated (Including air-cargo)
CCTS-25-0900	Connector Cleaning Tips for 2.5 mm ferrule in adapters or sockets (SC, FC, ST, etc. in adaptors) <b>Blue (40 sticks per tube)</b>
CCTP-25-0900	Connector Cleaning Tips for the 2.5mm, 2.0mm, 1.6mm ferrules and termini (FC, SC, ST, LC, MU, etc., jumpers and male Mil C 38999 & 28876) <b>Yellow (20 sticks per tube)</b>
CCTS-12-0900	Connector Cleaning Tips for 1.25mm ferrule in adapters or sockets (LC< MU< etc., in adaptors) <b>Green (40 sticks per tube)</b>
CCTS-16-0900	Connector Cleaning Tips for MT-RJ connectors and 2.0mm and 1.6mm termini in sockets (female Mil C 38999 & 28876 and MT-RJ both jumpers and adapters) <b>Orange (40 sticks per tube)</b>
CCTX-MT-0900	Connector Cleaning Tips for Biconic and MT ferrule connectors both jumpers and in adaptors (Biconic, MTP, MPO, MPX, etc.) <b>Pink (20 sticks per tube)</b>
8500-10-0011	PREP Ferrule-"Cletope" "A" (SC, SC2, FC, ST, DIN, D4)
8500-10-0014	PREP Ferrule-"Cletope" "B" (MU, LC, MP, MPO, MT-RJ w/o pins, BICONIC)
8500-10-0016	PREP Ferrule-"Cletope" "SB" (MU, LC, MT, MPO, MT-RJ w/o pins, BICONIC)
8500-10-0100	Qty. 3 - Replacement PREP cleaning reel "A"
8500-10-0105	Qty. 3 - Replacement PREP cleaning reel "B"
8500-10-0106	Qty. 3 - Replacement PREP cleaning reel "SB"
8500-10-0101	Qty. 100 - ACT-01 2.5 mm adapter cleaner tips
8500-10-0102	Qty. 100 - ACT-02 1.25 mm adapter cleaner tips
8500-10-0103	Qty. 320 - Alco Pads
8500-10-0111	10oz Canned Air

## Calibration Services for Noyes Test Equipment

Calibration is recommended for the products listed below. Noyes' Calibration Department is in compliance with ANSI/NCSL Z540-1, ISO 10012-1, MIL STD 45662A, ISO Guide 25 and trace ability to the National Institute of Standards and Technology. The rates listed below include \$15.00 in parts. If parts exceed this amount you will be notified. Call Customer Service to obtain a Return Authorization Number (RMA) before sending units in for calibration.

Model	Description	
<b>Power Meters</b>		
OPM 1, 4, 5, and 6 Series	Calibration	
<b>Light Sources</b>		
OLS 1, 2, 3, 5, and 6 Series	Calibration	
<b>Optical Fiber Identifier</b>		
OFI-200 Series	Calibration	
<b>Talk Sets</b>		
FTS 1, 2, and 3 Series	Calibration	
<b>Certification Kits</b>		
T400 Series	Calibration	
<b>Return Loss Kits</b>		
ORL Series, T500 Series, OLTS5	Calibration	
<b>Mini OTDR's</b>		
OFL100 Series*, M600 & M100 Series	Calibration	
<b>Variable Optical Attenuators</b>		
VOA Series	Calibration	
<b>Network Simulators</b>		
460 Series	Calibration	
<b>Wavelength Selective Power Meter</b>		
WSP100	Calibration	

\*These products have been discontinued but we will continue to offer Calibration Services for them.