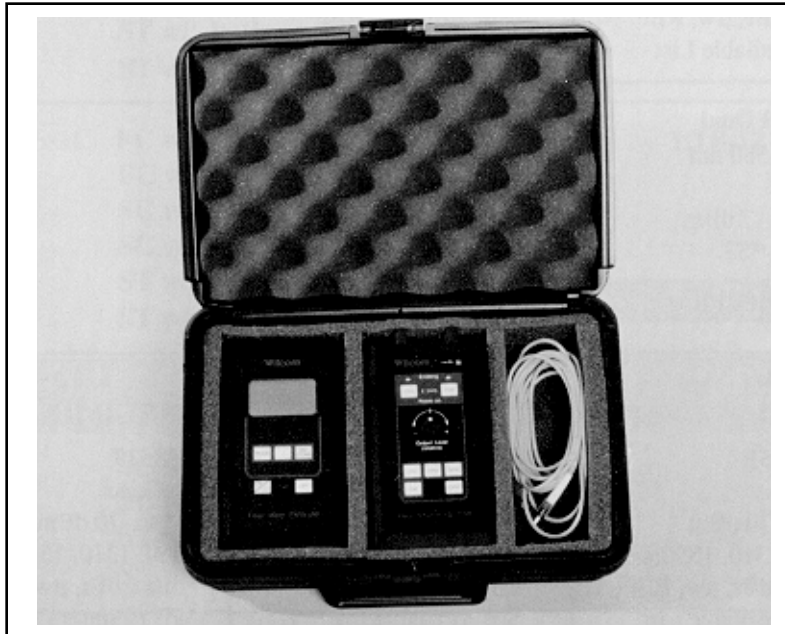


Optical Loss Test Kits

- LTS-1
- LTS-1C
- LTS-2
- LTS-5
- LTS-6
- LTS-7
- LTS-10
- LTS-11
- LTS-12



Description

Fit your application to your budget. Our Optical Test Kits combine the dependability and accuracy of our hand-held optical sources and meters with a convenient carry case for the field technician. Prices start at \$795 for the basic **Multimode LAN Test Kit**. Select other **kits** containing multiple wavelength sources and meters which are combined for high performance singlemode and multimode fiber network testing.

LTS-1

The Wilcom LTS-1 Loss Test Set is designed for single mode fiber applications. The kit consists of Wilcom's FM8515B Optical Power Meter, FS1315B Dual Laser Source, reference cable, adapter(s) and manuals. The FS1315B Dual Laser Source has the output power to test long lengths of fiber, and the FM8515B Optical Power Meter's dB reference measurement capability makes optical loss measurements a snap! The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

LTS-1C

The Wilcom LTS-1C Loss Test Set is designed for CATV single mode fiber applications. The kit consists of Wilcom's FM8515C Optical Power Meter-HIGH POWER, FS1315B Dual Laser Source, reference cable, adapter(s) and manuals.

The FS1315B Dual Laser Source has the output power to test long lengths of fiber, and the FM8515C Optical Power Meter's dB reference measurement capability makes optical loss measurements a snap! The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

LTS-2

The Wilcom LTS-2 Loss Test Set is designed to test multimode fiber. The kit includes an FM8515B Optical Power Meter, FS8513 dual wavelength Optical LED Source, reference cable, adapter(s) and manuals. This economical kit gives the user the accuracy and dependability that field fiber testing demands.

LTS-5

The Wilcom LTS-5 Loss Test Set is designed to transmit and measure 850 or 1310 nm optical signals through either multimode or single mode fiber. The kit includes an FM8515B single wavelength Optical Power Meter, FS8514 dual wavelength Optical Laser Source, adapter(s), reference cable and manuals. This versatile moderate cost test kit is ideal for covering a broad range of contingencies in LAN, WAN, multimode and singlemode testing

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Optical Loss Test Kits

MODEL	LTS-1	LTS-1C	LTS-2
Meter Detector Type Measurement Range Calibrated Wavelengths Units Displayed Adapter Cap	FM8515B InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF See Available List	FM8515C InGaAs +20 to -50 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF See Available List	FM8515B InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF See Available List
Source Output Wavelength Emitter Type Output Power Connector Type	FS1315B Dual 1310 / 1550 nm Laser -7 dBm, -7 dBm FC, SC, *ST	FS1315B Dual 1310 / 1550 nm Laser -7 dBm, -7dBm FC, SC, *ST	FS8513 Dual 850 / 1310 nm LED -20 dBm, -16 dBm FC, *ST
APPLICATION	Singlemode	CATV Singlemode	Multimode/Singlemode

MODEL	LTS-5	LTS-6	LTS-7
Meter Detector Type Measurement Range Calibrated Wavelengths Units Displayed Adapter Cap	FM8515B InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF See Available List	FM8520 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF PC / Printer Output See Available List	FM8520 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF PC / Printer Output See Available List
Source Output Wavelength Emitter Type Output Power Connector Type	FS8514 Dual 850 / 1310 nm Laser -7 dBm, -7 dBm FC, SC, *ST	FS1315B Dual 1310 / 1550 nm Laser -7 dBm, -7 dBm FC, SC, *ST	FS8514 Dual 850 / 1310 nm Laser -7 dBm, -7 dBm FC, SC, *ST
APPLICATION	Multimode/Singlemode	Singlemode	Multimode/Singlemode

MODEL	LTS-10	LTS-11	LTS-12
Meter Detector Type Measurement Range Calibrated Wavelengths Units Displayed Adapter Cap	FM8515B InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF See Available List	FM8520 InGaAs +5 to -70 dBm 850 1310, 1550 nm dBm, dBr, μ w, REF PC / Printer Output See Available List	FM8520 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, dBr, μ w, REF PC / Printer Output See Available List
Source Output Wavelength Emitter Type Output Power Connector Type	FS8516 Dual 1310 / 1550 nm Laser -8 dBm, -8 dBm FC, SC, *ST	FS8513 Dual 850 / 1310 nm LED -20 dBm, -16 dBm FC, *ST	FS1316 Dual 1310 / 1550 nm Laser -8 dBm, -8 dBm FC, SC, *ST
APPLICATION	Singlemode	Multimode	Singlemode

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LTS-6

The Wilcom LTS-6 Loss Test Set is designed for single mode fiber applications. The kit consists of Wilcom's FM8520 Optical Power Meter with PC / printer output, FS1315B Dual Laser Source, reference cable, adapter(s) and manuals. The FS1315B Dual Laser Source has the output power to test long lengths of fiber, and the FM8520 Optical Power Meter's dB reference measurement capability along with its ability to store 250 readings per wavelength, makes optical cable characterizations a snap! The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

LTS-7

The Wilcom LTS-7 Loss Test Set is designed for multimode and singlemode fiber applications. The kit consists of Wilcom's FM8520 Optical Power Meter with PC / printer output, FS8514 Dual Laser Source, reference cable, adapter(s) and manuals.. The FS8514 Dual Laser Source has the output power to test long lengths of fiber, and the FM8520 Optical Power Meter's dB reference measurement capability along with its ability to store 250 readings per wavelength, makes optical cable characterizations a snap! The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

LTS-10

The Wilcom LTS-10 Loss Test Set is designed for single mode fiber applications. The kit consists of Wilcom's FM8515B Optical Power Meter , FS1316 Dual Laser Source, reference cable, adapter(s) and manuals. The FS1316 Dual Laser Source with it's single output port has the power to test long lengths of fiber, and the FM8515B Optical Power Meter's dB reference measurement capability makes optical loss measurements a snap. The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

LTS-11

The Wilcom LTS-11 Loss Test Set is designed for multimode and short distance singlemode fiber networks. The kit consists of Wilcom's FM8520 Optical Power Meter with PC / printer output, FS8513 Dual LED Source, reference cable, adapter(s) and manuals..The FM8520 Optical Power Meter's dB reference measurement capability, along with its ability to store 250 readings per wavelength, makes optical cable characterizations a snap. This kit provides the user the accuracy and dependability that field fiber testing demands.

LTS-12

The Wilcom LTS-12 Loss Test Set is designed for singlemode fiber applications. The kit consists of Wilcom's FM8520 Optical Power Meter with PC / printer output, FS1316 Dual Laser Source, reference cable, adapter(s) and manuals. The FS1316 Dual Laser Source with its single output port has the power to test long lengths of fiber, and the FM8520 Optical Power Meter's dB reference measurement capability along with its ability to store 250 readings per wavelength, makes optical cable characterizations a snap. The versatile Loss Test Set can be used for cable identification, end-to-end measurements, splice and connector verification, and general power and transmission testing.

FTS Kits

Wilcom's **FTS Kits** provide the ability to launch a stable optical signal and measure it at the end of the cable, or to simply and quickly make optical power level measurements at any point in the network. The Model FM8510 Optical Power Meter offered in the FTS Kits does not include any means of storage or reference power indication. Power level measurements are in dBm.

FTS-3A

The Wilcom FTS-3A Fiber Test Set is designed to test 850nm multimode fiber. The kit includes an FM8510 Optical Power Meter, FS850 LED single wavelength Optical Source, and manuals. This economical kit gives the user the accuracy and dependability that field fiber testing demands for multimode LAN test applications

FTS-4A

The Wilcom FTS-4A Fiber Test Set is designed to test 1310 nm optical signals through either multimode or singlemode fiber. The kit includes an FM8510 multi-wavelength Optical Power Meter, FS1310 LED single wavelength Optical Source, adapter(s) and manuals. The 1310nm center wavelength allows the technician maximum versatility in testing either multimode LANs or short haul singlemode fiber.

FTS-8

The Wilcom FTS-8 Fiber Test Set is designed to test 1310 and 1550 nm singlemode fiber. The kit includes an FM8510 multi-wavelength Optical Power Meter, FS1315B Laser dual wavelength Optical Source, adapter(s) and manuals. This kit provides the user the accuracy and dependability that field fiber testing demands.

FTS-9

The Wilcom FTS-9 Fiber Test Set is designed for multimode and short distance singlemode fiber networks. The kit includes an FM8510 multi-wavelength Optical Power Meter, FS8513 LED dual wavelength Optical Source, adapter(s) and manuals. This kit provides the user the accuracy and dependability that field fiber testing demands.

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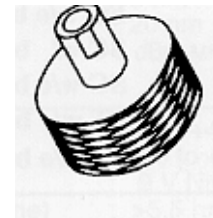
Fiber Test Kits

MODEL	FTS-3A	FTS-4A
Meter Detector Type Measurement Range Calibrated Wavelengths Units Displayed Adapter Cap	FM8510 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, DBr, μ w, REF See Available List	FM8510 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, DBr, μ w, REF See Available List
Source Output Wavelength Emitter Type Output Power Connector Type	FS850 850 nm LED -20 dBm *ST	FS1310 1310 nm LED -16 dBm FC or *ST
APPLICATION	Multimode	Multimode

MODEL	FTS-8	FTS-9
Meter Detector Type Measurement Range Calibrated Wavelengths Units Displayed Adapter Cap	FM8510 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, DBr, mw, REF See Available List	FM8510 InGaAs +5 to -70 dBm 850, 1310, 1550nm dBm, DBr, mw, REF See Available List
Source Output Wavelength Emitter Type Output Power Connector Type	FS1315B Dual 1310 / 1550 nm Laser -7 dBm, -7 dBm FC, SC, *ST	FS8513 Dual 850 / 1310 nm LED -20 dBm, -16 dBm FC, *ST
APPLICATION	Singlemode	Multimode/Singlemode

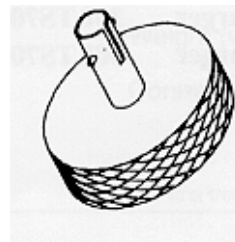
Available Adapter Caps for: Optical Power Meters; FM8510, FM8515B, and FM8520

Description	Wilcom Part Number	Description	Wilcom Part Number
SMA	04419809	Universal Adapter Cap (any 2.5mm ferrule)	300031992
ST	04419812		
SC	04419716		
FC	04419836		
D4	30031836		
Biconic	30031983		



Available Adapter caps for: Optical Power Meter; FM8515C

Model Number	Description	Wilcom Part Number
3004	Amp Optimate	30030043
3005	SMA (905, 906)	30030050
3007	ITT FOT	30030076
3008	Deutsch 1000	30030084
3010	HP 4500	30030100
3011	D4	30030118
3013	Biconic (Dorran)	30030134
3013P	Biconic (Plastic)	30030135
3019	FC	30030191
3175	SC	30031752
3079	ST	30030792
3084	Sumitomo BNC	30030840



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Ordering Information

Model	Connector Option (Sources)	Wilcom Part Number
LTS-1	FC w/ battery charger	30LTS112
	FC w/o battery charger	30LTS102
	SC w/ battery charger	30LTS113
	SC w/o battery charger	30LTS103
	ST w/ battery charger	30LTS111
	ST w/o battery charger	30LTS101
LTS-1C	FC w/ battery charger	30LTS108
	FC w/o battery charger	30LTS105
	SC w/ battery charger	30LTS109
	SC w/o battery charger	30LTS106
	ST w/ battery charger	30LTS107
	ST w/o battery charger	30LTS104
LTS-2	FC w/ battery charger	30LTS205
	FC w/o battery charger	30LTS202
	ST w/ battery charger	30LTS204
	ST w/o battery charger	30LTS201
LTS-5	FC w/ battery charger	30LTS505
	FC w/o battery charger	30LTS502
	SC w/ battery charger	30LTS506
	SC w/o battery charger	30LTS503
	ST w/ battery charger	30LTS504
	ST w/o battery charger	30LTS501
LTS-6	FC w/ battery charger	30LTS605
	FC w/o battery charger	30LTS602
	SC w/ battery charger	30LTS606
	SC w/o battery charger	30LTS601
	ST w/ battery charger	30LTS604
	ST w/o battery charger	30LTS603
LTS-7	FC w/ battery charger	30LTS705
	FC w/o battery charger	30LTS702
	SC w/ battery charger	30LTS706
	SC w/o battery charger	30LTS703
	ST w/ battery charger	30LTS704
	ST w/o battery charger	30LTS701
LTS-10	FC w/ battery charger	30LTS510
	FC w/o battery charger	30LTS210
	SC w/ battery charger	30LTS610
	SC w/o battery charger	30LTS310
	ST w/ battery charger	30LTS410
	ST w/o battery charger	30LTS110

Ordering Information

Model	Connector Option (Sources)	Wilcom Part Number
LTS-11	FC w/ battery charger	30LTS114
	FC w/o battery charger	30LTS115
	ST w/ battery charger	30LTS118
	ST w/o battery charger	30LTS119
LTS-12	FC w/ battery charger	30LTS121
	FC w/o battery charger	30LTS122
	SC w/ battery charger	30LTS123
	SC w/o battery charger	30LTS124
	ST w/ battery charger	30LTS125
	ST w/o battery charger	30LTS126
FTS-3A	ST w/ battery charger	30FTS307
	ST w/o battery charger	30FTS304
FTS-4A	FC w/ battery charger	30FTS408
	FC w/o battery charger	30FTS405
	SC w/ battery charger	30FTS409
	SC w/o battery charger	30FTS406
	ST w/ battery charger	30FTS407
	ST w/o battery charger	30FTS404
FTS-8	FC w/ battery charger	30FTS809
	FC w/o battery charger	30FTS805
	SC w/ battery charger	30FTS808
	SC w/o battery charger	30FTS804
	ST w/ battery charger	30FTS807
	ST w/o battery charger	30FTS806
FTS-9	FC w/ battery charger	30FTS905
	FC w/o battery charger	30FTS902
	ST w/ battery charger	30FTS904
	ST w/o battery charger	30FTS901

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Key Specifications

Power Meters	
FM8510, FM8515B, FM8515C, FM8520	
Calibrated Wavelength	: 850 nm : 1310 nm : 1550 nm
Wavelength Range	: 800 to 1700 nm
Power Range	
FM8510, FM8515B, FM8520	: +5 to -70 dBm
FM8515C	: +23 to -50 dBm
Resolution	: 0.01 dBm
Accuracy (-20 dBm)	
0 to +40°C	: ± 5%
Long Term Stability	
25°C, 50% RH (-10 dBm)	: ≤ 0.3 dB
Detector Type	: InGaAs
Storage Temperature	: -20 to + 60°C
Operating Temperature	: 0 to + 50°C
Battery Type (Alkaline)	: 2 AA
Battery Life (cont)	: ≥ 80hrs (Alkaline)
Battery Charger (optional)	
Input	: 120 V AC/60 Hz
Output	: 8.7-15 V AC/DC @ >150 mA
Indicators	
Display	: 4 Digit LCD
Low Battery	: Flashing visual indicator
Signal Over Range	: Flashing visual indicator
Dimensions	: 3.3 x 6.0 x 1.3 in : 83 x 152 x 33mm
Weight (incl. battery)	: 0.49 lbs / 220g
Connector	: Universal

Warranty

Wilcom's Fiber Optic Test Instruments are warranted for a period of one year to be free from defects in material and workmanship.



Light Sources		
	FS850	FS1310
Calibrated Wavelength	: 850 nm	: 310 nm
Source Type	: LED	: LED
Spectral width	: 50 nm	: 100 nm
Calibration Accuracy		
50 µm core	: ± 5 dB	: ± 5 dB
Output power		
50 µm core	: -20 dBm	: -16 dBm
62.5 µm core	: -17 dBm	: -13 dBm
Battery Type	: 2 AA	: 2 AA
Modulation	: CW, 1Hz, & 1Khz	
Weight w/ battery	: .3 lbs	: .3 lbs
	: 120 g	: 120 g
Connector Style	: *ST	
FS8513 Dual		
Calibrated Wavelength	: 850 nm	: 1310 nm
Source Type	: LED	: LED
Spectral width	: 50 nm	: 100 nm
Calibration Accuracy		
50 µm core	: ± 5 dB	: ± 5 dB
Output power		
50 µm core	: -20 dBm	: -16 dBm
62.5 µm core	: -17 dBm	: -13 dBm
Modulation	: CW, 1Hz, 4Hz, & 1Khz	
Connector Style	: FC, SC, *ST	
FS1315B Dual, FS1316 Dual		
Calibrated Wavelength	: 1310 nm	: 1550 nm
Source Type	: Laser	: Laser
Spectral width	: 10 nm	: 10 nm
Accuracy	: ± 10 nm	: ± 10 nm
Output power (FS1315)	: -7 dBm	: -7 dBm
Output power (FS1316)	: -8 dBm	: -8 dBm
Modulation	: CW, 270Hz, 1Khz, & 2Khz	
Battery Type (Alkaline)	: 2 AA	
Battery Life (FS1316)	: ≥ 25hrs (Alkaline)	
Connector Style	: FC, SC, *ST	
FS8514 Dual		
Calibrated Wavelength	: 850 nm	: 1310 nm
Source Type	: Laser	: Laser
Spectral width	: 10 nm	: 10 nm
Accuracy	: ± 20 nm	: ± 20 nm
Output power	: -7 dBm MM	: -7 dBm SM : -3 dBm MM
Modulation	: CW, 270Hz, 1Khz, & 2Khz	
Operating temp	: 0 to +40°C	
Storage temp	: -20 to +50°C	
Battery type	: 9 V NiCd or Alkaline	
Dimensions	: 6.3x3.3x1.3 in : 83x152x33 mm	
Weight (w/ battery)	: 0.49 lbs / 220g	
Connector Style	: FC, SC, *ST	

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Specifications and prices are subject to change without notice.

2/99

812-283-003

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