

Fiber Optic Laboratory Packages



Lab IV

Scientech provides useful solutions to set up Fiber Optic Laboratory. Contents of each Lab are very carefully chosen to provide maximum facilities for a given budget. Each Lab provides basic trainer alongwith supporting test equipments and components to conduct variety of experiments. A carefully selected configuration of Fiber Optic Training Kits, Power Meters, Light Sources, Lasers, Demonstration Kits, Connector Termination and Splicing kits, Tools and Cables etc. for Fiber Optic Laboratory and Projects. Training on packages are offered **FREE**. *Special items such as OTDR, Fusion Splice Machine and Customized packages can be supplied at additional cost.*

A choice of 4 laboratories

- Lab I :** Study of different types of fibers, Fiber characteristics, Simplex and Duplex Trans receiver, Optical Power measurement, PC-PC communication, Analog and Digital links, AM-FM-PWM Modulation and demodulation, Fiber losses, NA, FO voice link, Characteristics of Laser Diode , ACC and APC modes, Laser Communication.
- Lab II :** Study of different types of fibers, Fiber characteristics, Simplex and Duplex Trans receiver, Optical Power measurement, PC-PC communication, Analog and Digital links, AM-FM-PWM Modulation and demodulation, Fiber losses, NA, FO voice link, Characteristics of Laser Diode, ACC and APC modes, Laser Communication, Optical path demonstration, Study of LED light Source, Use of light source for power injection and optical loss measurement.
- Lab III :** Study of different types of fibers ,Fiber characteristics, Simplex and Duplex Trans receiver ,Optical Power measurement, PC-PC communication, Analog and Digital links, AM-FM-PWM Modulation and demodulation, Fiber losses, NA, FO voice link, Characteristics of Laser Diode, ACC and APC modes, Laser Communication, Study of LED light Source, Use of light source for power injection and optical loss measurement, Fiber optic Connectorization and Splicing .
- Lab IV :** Study of different types of fibers, Fiber characteristics, Simplex and Duplex Trans receiver, Optical Power measurement ,PC-PC communication, Analog and Digital links ,AM-FM-PWM Modulation and demodulation, Fiber losses, NA, FO voice link, Characteristics of Laser Diode, ACC and APC modes, Laser Communication, Optical path demonstration, Study of LED light Source, Use of light source for power injection and optical loss measurement , Fiber optic connectorization and splicing, Video CD, Speed of light experiment, Holography experiment with He-Ne Laser.

Fiber Optic Laboratory Packages

Contents of 4 laboratories

Lab I

Elementary Fiber Optic Trainer ST2501: 1 No.
 Advance Fiber Optic Trainer ST2502: 1 No.
 Fiber Optic Laser Trainer ST2506: 1 No.
 Optical Power Meter ST2551: 1 No.
 PMMA patch cord (SMA)10 m: 1 No.
 Glass Fiber Cable MM 62.5/125: 20 m
 Sample Fiber Kit: 1 No.
 Multi colored Optical Spectrum wall chart: 1 No.
 Video CD: 1 No.

Lab II

Elementary Fiber Optic Trainer ST2501: 1 No.
 Advance Fiber Optic Trainer ST2502: 1 No.
 Fiber Optic Laser Trainer ST2506: 1 No.
 Optical Power Meter ST2551: 1 No.
 Mini Light Source LED 850 nm
 Model 6410: 1 No.
 PMMA patch cord (SMA) 10 m: 1 No.
 Glass Fiber Cable MM 62.5/125: 20 m
 Optical path Demonstrator
 Model If 547: 1 No.
 Fiber Optic Lab Course-Lab Kit
 IF LMH: 1 No.
 Sample Fiber Kit: 1 No.
 Multi colored Optical Spectrum wall chart:1 No.
 Video CD: 1 No.

Lab III

Elementary Fiber Optic Trainer ST2501: 1No.
 Advance Fiber Optic Trainer ST2502: 1 No.
 Fiber Optic Laser Trainer St2506: 1 No.
 Optical Power Meter YC2100: 1 No.
 Mini Light Source LED 850 nm
 Model 6410 : 1 No.
 PMMA patch cord (SMA) 10 m: 1 No.
 Glass Fiber Cable MM 62.5/125: 20 m
 Fiber Connectorization and splice Kit
 Model FOK 602: 1 No.
 Multi colored Optical Spectrum wall chart:1

Lab I



Lab II



Lab III



Lab IV

Elementary Fiber Optic Trainer ST2501: 2 No.
 Advance Fiber Optic Trainer ST2502: 1 No.
 Fiber Optic Laser Trainer ST2506: 1 No.
 Optical Power Meter YC 2100: 1 No.
 F.O. Light Source LED 850 / 1300nm
 Model 6310: 1 No.
 PMMA patch cord (SMA) 10 m : 1 No.
 Glass Fiber Cable MM 62.5/125: 20 m
 Optical path Demonstrator Model
 IF 547: 1 No.
 Fiber Optic Lab Course-Lab Kit
 IF LMH: 1 No.
 Sample Fiber Kit: 1 No.
 Fiber Connectorization and splice Kit
 FOK602: 1 No.
 Fiber Optic Demonstration System
 Model IFDS100P1 No.
 Speed of Light Apparatus
 Model IF-LSA: 1 No.
 LaserReceiver Model IFLSL2: 1 No.
 Sandbox Holography Kit Model 45-633: 1 No.
 HeNe Laser 0.8mW Model MI810: 1 No.
 Multi colored Optical Spectrum wall chart: 1 No.
 Video CD: 3 Nos

Fiber Connectorization and Splice Kit Fok602 includes:

Crimp tool, Red No Nik Tool, Jacket Stripper, Scissors, Diamond Scribe, Epoxy, Syringe & Needle, Polishing Disc, Polishing Pad, Workmat, Glass Plate, Measuring Scale, Cable Markers, Knife, Tweezers, Screw Driver, Marker Pen, Tissue Papers, Alcohol, Foam Swobs, Piano Wire, X 100 Microscope, Continuity Tester, ST Connectors, Glass Fiber Cable 62.5/125, VIP Carrying Case,

subject to change

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