



# ADVANCED FIBER OPTICS TRAINER

MODEL FOT200S

This trainer has been designed with a view to provide practical and experimental knowledge of advance elementary fiber optics on SINGLE PCB.



## SPECIFICATIONS

1. Transmitter : 2 Nos. Fiber Optics LED having peak wavelength of 660nm & 950nm
2. Receiver : 2 Nos. Fiber optics Photo detector
3. Modulation Technique : 1) AM, 2) FM, 3) PWM
4. Drivers : 1 No. with Analog & Digital Modes
5. PLL Detector : 1 No.
6. Comparator : 2 Nos.
7. Filters : 2 Nos., 4th Order Butter worth, 3.4 KHz cutoff Frequency
8. Analog Bandwidth : 350KHz
9. Digital Bandwidth : 2.5MHz
10. Function Generators : 1) 1KHz Sine Wave (Amplitude Adjustable )  
2) 1KHz Square wave (TTL)
11. Voice Link : F. O. Voice Link using Microphone & speaker (Built in)
12. PC PC Communication : Using 2 Channel through RS 232 Port 19200 baud
13. Switch Faults : 4 In Transmitter & 4 In Receiver
14. Fiber Optics Cable : Connector Type Standard SMA
15. Cable Type : Step Indexed Multimode PMMA Plastic Cable
16. Core Refractive Index : 1.492
17. Clad Refractive Index : 1.406
18. Numerical Aperture : Better Than 0.5
19. Acceptance Angle : Better Than 60 deg.
20. Fiber Diameter : 1000 Microns
21. Outer Diameter : 2.2mm
22. Fiber Length : 0.5 m & 1 m
23. Test Point : 50
24. Inter connections : 4 mm sockets
25. Power Supply : 220 V  $\pm$ 10%, 50Hz/60Hz, 4.5VA
26. Accessories Included : Line Cord, Manuals, NA Measurement Jig, Mandrel, Fiber Cable, Microphone, Headphone, set of Patch cords
27. Optional Accessories : Optical Power Meter, 5 meter fiber cable, 10 meter fiber cable

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**Dealer:-**