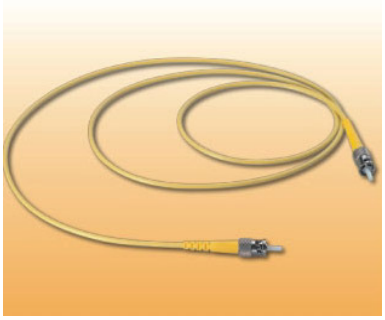
LEOK-20
Optical Fiber Information and Communication Experiment Kit

- *Covering 7 experiments*
- *Flexible solution for different level of students*
- *Extensive literature support*
- *Conservative price*

The optical fiber has increased our ability to transmit more information more quickly over longer distances, and as the importance of fiber optics rises, numerous colleges and universities world-wide are now introducing courses in optoelectronics and optical communications.

We design this kit to satisfy the increasing demand from the support of laboratory based experiments. This kit will provide you essential basic knowledge and skills. Upon acquiring the laboratory techniques which can be used for characterization of important fiber parameters through practical hands on experience, you may better appreciate the fascinating characteristics of fiber optics.



Experiment examples

1) Experiment of fundamental knowledge of optical fiber optics

2) Experiment of coupling method between optical fiber and light source

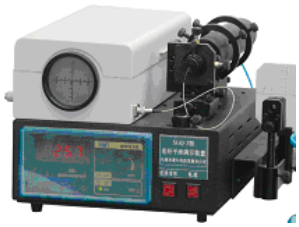
3) Multimode fiber Numerical Aperture (NA) measurement

4) Optical fiber transmission loss property and measurement

5) M-Z optical fiber interference experiment

6) Optical fiber thermal sensing principle

7) Optical fiber pressure sensing principle



Parts List

Description	Part No./Specs	Qty
He-Ne Laser	1.5mW	1
Light Power Meter	SGN-1	1
Beam Splitter	633nm	1
Temperature Controller		1
Stress Controller		1
5-axis adjusting stage		1
Beam Expander	f = 4.5	1
Fiber Clip		2
Fiber Support		1
White Screen	With cross	1
Laser Holder	LEPO-44	1
Light Target		1
Power Cord		1
Single Mode Fiber	633nm	2 m
Single Mode Fiber	With connector	2 m
Multi-mode Fiber	633nm	2 m
Fiber	1km	1
Fiber Stripper		1
Fiber Cleave		1

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