Trainer is designed to learn the LED characteristic (Input LED angle vs. output voltage). LED is a commonly used semiconductor device that emits incoherent narrow spectrum light. LED plays a very important role in todays industrial and domestic applications. In 28519 we use three LEDs (Red, Blue and Green) . The characteristic is widely used in various transmitting and receiving scheme and data communication.28519 trainer is a self contained experiment module which comes with detailed manual and required accessories.

- ◆ Self contained and easy to operate
- ◆ Sensitive, linear & accurate
- ◆ On board transmitter and receiver
- ◆ Built in DC power supply
- ◆ Functional blocks indicated on board mimic
- ◆ 2 mm sockets for measurement
- ◆ Null adjustment for atmospheric light
- ◆ High repeatability and reliability

Technical Specifications

Transmitter :

Wavelength (nm)	:	565 nm (For Green light)
LED Rotation	:	0 -360 deg with resolution of 1 deg
Transmitter circuitry	:	LED mast
Wavelength (nm)	:	700 nm (For Red light)
Wavelength (nm)	:	430 nm (For Blue light)

Receiver :

Wavelength (nm)	:	940nm
Receiver circuitry	:	Silicon phototransistor & Zero adjustment circuit.

General Specifications :

Power Supply	:	220 V ±10%, 50 Hz / 60 Hz on request
Power Consumption	:	2.4 VA (approx.)

Note: Specifications are subject to change.