

Optical Fiber Identifier with Signal Direction (Relative Core Power)



Product ID GAO-OFI-103

GAOTek Optical Fiber Identifier with Signal Direction (Relative Core Power) is a portable device which can quickly identify the direction of transmitted fiber and displays the relative core power without disrupting the traffic on that fiber. This device also recognizes modulations like, 270 Hz, 1 kHz and 2 kHz with continuous audible warning. When the traffic is present, the intermittently audible tone is activated. For this device, there are four adapter heads available: $\varnothing 0.25$, $\varnothing 0.9$, $\varnothing 2.0$ and $\varnothing 3.0$.



KEY FEATURES

- ✓ Portable and easy-to-use with "One Key" operation
- ✓ Efficiently identifies the traffic direction and frequency tone with audible warning
- ✓ Displays the relative core power of the tested fiber
- ✓ More accurate test with sunshade
- ✓ Low bending loss and high efficient output
- ✓ Low power indication

APPLICATIONS

- In telecom maintenance
- In CATV maintenance
- In fiber optic lab testing
- In other fiber optic measurements

TECHNICAL SPECIFICATIONS

Identified Wavelength Range	800 nm -1700 nm	
Identified Signal Type	CW, 270 Hz $\pm 5\%$, 1 kHz $\pm 5\%$, 2 kHz $\pm 5\%$	
Detector Type	$\varnothing 1$ mm InGaAs 2 pcs	
Adapter Type	$\varnothing 0.25$ (Applicable for Bare Fiber) $\varnothing 0.9$ (Applicable for $\varnothing 0.9$ Cable) $\varnothing 2.0$ (Applicable for $\varnothing 2.0$ Cable) $\varnothing 3.0$ (Applicable for $\varnothing 3.0$ Cable)	
Signal Direction	Left & Right LED	
Single Direction Test Range (CW/ $\varnothing 0.9$ mm bare fiber)	-46 dBm \sim 10 dBm (1310 nm)	
	-50 dBm \sim 10 dBm (1550 nm)	
Signal Power Test Range (CW/ $\varnothing 0.9$ mm bare fiber)	-50 dBm \sim 10 dBm	
Signal Frequency Display	270 Hz, 1 KHz, 2 KHz	
Frequency Test Range (Average Value)	$\varnothing 0.9, \varnothing 2.0, \varnothing 3.0$	-30 dBm \sim 0 dBm (270 Hz, 1 KHz)
		-25 dBm \sim 0 dBm (2 KHz)
	$\varnothing 0.25$	-25 dBm \sim 0 dBm (270 Hz, 1 KHz)
		-20 dBm \sim 0 dBm (2 KHz)
Insertion Loss	0.8 dB (1310 nm)	
	2.5 dB (1550 nm)	
Alkaline Battery	9 V	
Operating Temperature	14 °F – 140 °F (-10 °C – 60 °C)	
Storage Temperature	-13 °F – 158 °F (-25 °C – 70 °C)	
Dimension	7.71 in \times 1.20 in \times 1.06 in (196 mm \times 30.5 mm \times 27 mm)	
Weight	0.44 lbs (200 g)	