



<b>Product Name</b>	<b>GAOTek E1 Tester</b>
<b>Product SKU</b>	<b>GAOTek-EIT-182</b>
<b>Product URL</b>	<a href="https://gaotek.com/product/gaotek-e1-tester-24/">https://gaotek.com/product/gaotek-e1-tester-24/</a>

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Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



# GAOTek E1 Tester

## 1. Product Overview:

The Mini Pro Series Optical Time Domain Reflectometer adopts a 3.5-inch color display screen. The UI operation interface is simple and easy to operate. It integrates OTDR, a Stable Light Source, Optical Power Meter, Visual Fault Location, Cable Sequence, Cable Length, Cable Tracker, and Flashlight. It adopts intelligent power-saving management and, 12 hours of super-long measurement time to ensure the field test and maintenance work efficiently.

These series are used to measure the length, loss, connection quality, and other parameters of all kinds of optical fiber and cable. When there is an optical signal in the line, it can still be used. The maximum test power with light is -5dBm. It can be widely used in engineering construction, link maintenance tests, and emergency repair of communications of optical fiber communication systems.

## 2. Functions

OTDR/Event Map/OPM/LS/VFL/RJ45 Cable Sequence/Cable Length/Cable Tracking (Additional purchase tracker) / Flashlight

## 3. Technical Specifications:

Model	GAOTek-EIT-182
Wavelength	1310nm/1550nm±20nm
Fiber Type	G.652
Dynamic Range	24dB/22dB
Event Blind Zone	3m
ATT Blind Zone	8m
Test Range	500m~64km
Pulse Width	3ns~10us
Ranging accuracy	± (1m+ Sampling interval +0.005%×Test distance)
Loss accuracy	±0.2dB/dB
Sampling Points	16k~128k
Sampling resolution	0.05m~8m
Loss Resolution	0.001dB



<b>Loss Threshold</b>	0.20dB
<b>Range Resolution</b>	0.001m
<b>Refractive Index</b>	1.00000~2.00000
<b>Reflection accuracy</b>	±3dB
<b>File format</b>	SOR Standard file format
<b>Loss Analysis</b>	4-point method /5-point method
<b>Laser Safety Level</b>	Class II
<b>Connector</b>	FC/UPC (Interchangeable SC、ST)
<b>OPM</b>	
<b>Wave Range</b>	800nm~1700nm
<b>Calibration wavelength</b>	850/980/1300/1310/1490/1550/1625/1650nm
<b>Test Range</b>	-70~+10dBm(Optional)/-50~+26dBm(Standard)
<b>Resolution</b>	0.01dB
<b>Uncertainty</b>	±5%
<b>Frequency Identification</b>	CW/270/330/1k/2kHz
<b>Connector</b>	Universal Joint FC/SC/ST
<b>LS</b>	
<b>Wavelength</b>	Consistent with OTDR output wavelength
<b>Laser Type</b>	FP-LD
<b>Output Power</b>	≥-5dBm
<b>Stability</b>	CW, ±0.5dB/15min (Test after 15 minutes of preheating)
<b>Connector</b>	FC/UPC (Interchangeable SC、ST)
<b>Mode</b>	270/330/1k/2kHz
<b>VFL</b>	
<b>Wavelength</b>	650nm±20nm
<b>Output Power</b>	≥10mW
<b>Mode</b>	CW/1Hz/2Hz
<b>Connector</b>	FC/SC/ST
	RJ45 Cable Sequence & Length
<b>Test Range</b>	≤300m
<b>RJ45 Cable Tracking</b>	
<b>Mode</b>	Digital tracking
<b>Test Range</b>	≤300m
<b>Online Tracking</b>	Not support