

Summary

TAM8704A Fiber Ranger is newly designed fiber optic tester, it aims at fiber network installation, fiber network engineering acceptance and fiber network maintenance. It can detect fiber fault location more accurate and quick, and designed for field use. TAM8704A fiber ranger is an economical tester instead of OTDR in the test and maintenance of fiber network.

Features

- * Easy to identify the faults location.
- * Analysis reflection events and attenuation events automatically.
- * Build-in visual fault locator function.
- * Automatic Pulse Width Control design to ensure a convenient operation.
- * Up to 2500 measurement results can be stored in the unit.



Specifications

Operating Wavelength	1550 ± 20
Fiber Type	9/125 um
Optical Connector Type	FC/PC
Detector Type	InGaAs APD
Pulse Width	Auto adjustment
Max.Distance (km) ①	60
Distance Accuracy Reflection Event (m) ②	± (3m + 2*10 ⁻⁴ * distance)
Ref lection Event Dead Zone(m) ③	15m
Power Supply	AA,3pcs
Battery Operating Time	>2500
Auto Power-off time (min) ④	10
VFL output power (mW)	> 1 mW
Data Storage Capacity ⑤	2000
Operating Temperature(° C)	-5~+40
Storage Temperature(° C)	-10~+70
Dimension(mm)	175x90x44.5
Weight (g) ⑥	278

Notes

- ① The max test distance 60km means TAM8704A can detect the reflection events , which loss is >1dB in 60km of dynamic range; The detect distance of non-reflection event is 40km(>1dB).
- ② Distance accuracy depends on the length of measured distance length, if measured distance is 30km, the accuracy is $\pm (3m + 2 \cdot 10^{-4} \cdot 30 \cdot 10^3) = \pm 9m$
- ③ Reflection Event Dead Zone means that the minimum dead zone of reflection event under the minimum pulse width.
- ④ Auto power-off time is 10 minutes. If turn on fiber ranger and no operation in 10 minutes, the unit will turn off automatically. If turn on 30s later and no operation, the back light will be off, then press any key, back light will be on again.
- ⑤ Fiber ranger can save up to 2000 measurement results in the unit; The data that save in the unit is shows by the mode of date&No, user will know the test time clearly when they check the data.
- ⑥ The bare unit weight without battery, according to customers require different customized wavelength , the unit weight may vary slightly.