



Audio Fiber Tracer

CFT-810

The **CFT-810** is designed for fiber optic technicians who need a portable, battery operated, easy to use instrument for tracing and identifying fiber optic patch cords and cables with affordable price.

With its unique patented technology, CFT-810 produces audio and visual signals that technicians easily catch when they tap the target fiber/cable. It has wide dynamic range with zero dead-zone. It also works on the new generation of bend-insensitive fiber, something difficult or impossible to do with conventional visual fiber identifiers or OTDRs. These features make the CFT-810 extremely useful when troubleshooting and maintaining medium-to-large premises LANs as well as Metropolitan Area Networks.

It is an essential test instrument for network management and Outside Plant maintenance.

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Features

- Fiber tracing & fiber cable identification
- Audio-Visual detection of target fiber/cable
- Zero dead zone
- Traces 'bend insensitive fibers' where other tools don't function
- Dynamic range : 9 dB
- Output power selection (-25dBm ~ -4dBm)
- Optical Power Meter function
- Visual Fault Locator function
- Battery operation

F.E.S. Co., Ltd.

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Specifications

Optical	
Wavelength	1310nm or 1550nm ¹⁾
Output Power	-4dBm ~ -25dBm (7 stages)
Dynamic Range	9 dB ²⁾ (one pass loss) ³⁾
Optical Connector	SC/APC
Optical Fiber Type	Single mode fiber
Electrical	
Power	24 Volt DC 2.5A
Battery	Li Ion 10.8V 2.4Ah. Rechargeable/Replaceable
Battery Operation Time	Full operation : > 12 hours
Battery Charging Time	3 hours
Mechanical	
Dimensions (W x D x H)	176mm x 246mm x 100mm ³⁾
Weight	2.5 kg approx. ⁴⁾
User Interface	
Front Display	Character LCD
Misc. Interface	Audio jack for 32 Ohm earphone USB port for maintenance
Environmental	
Operating Temperature	-10 ~ +50 °C
Storage Temperature	-10 ~ +60 °C (long term)
Other functions	
Optical Power Meter	0dBm ~ -55dBm, ±0.5dB accuracy
Visual Fault Locator	635nm LD, Output power 0.6mW typ.

- 1) Wavelength selectable upon a purchase order.
- 2) About 36 km assuming the cable loss is 0.25 dB/km
- 3) Total optical loss between the CTF-810 and the end of fiber under test.
- 4) Battery(0.4kg) included. AC power adapter not included.

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