



# Audio Fiber Tracer

## FT3000

The FT3000 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, FT3000 produces audio and visual signals that technicians easily catch when they tap the target fiber/cable. It also provides fiber length information of tapping position. 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 FT3000 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.



## Key Features

- Fiber tracing & fiber cable identification
- Audio-Visual detection of target fiber/cable
- Total length of the target fiber/cable
- Distance to event location
- Traces bend insensitive fibers
- Wide dynamic range : 13dB (one pass loss)
- Visual Fault Locator function
- Battery operation



## Specifications

Optical	
Wavelength	1550nm <sup>1)</sup>
Output optical power	>20mW (pulse peak power)
Dynamic range	13 dB (one pass loss) <sup>2)</sup>
Event detection range (audio)	1~60km (Max.)
Event detection range (distance)	1~60km (Max.)
Event distance repeatability	± 150m@ cable tracer mode 1 (0~30km) ± 300m@ cable tracer mode 2 (0~45km) ± 500m@ cable tracer mode 3 (0~60km)
Optical connector	SC/APC (AFT port), SC/PC (fault locator port)
Optical fiber type	Single mode fiber @ 1310nm
Electrical	
Power	24 VDC, 2.5A
Battery	Li Ion 10.8V 2.4Ah (rechargeable/replaceable)
Battery operation time	Full operation : > 8 hours
Battery charging time	1.6 hours
Power adapter	Input : 100~240V AC, 50/60Hz, 1.5A Output : 24VDC, 2.5A
Mechanical	
Dimensions (H X W X D)	176 X 100 X 246 mm (6.9 X 3.9 X 9.6 in) <sup>3)</sup>
Weight	2.5 kg approx. (5.5lbs) <sup>4)</sup>
User Interface	
Display	Character LCD
Misc. interface	Audio jack for 32 Ω earphone ----- USB port for maintenance
Environmental	
Operating temperature	-10 ~ +50 °C (non-condensing)
Storage temperature	-10 ~ +60 °C (long term)
Other functions	
Visual fault locator	635nm LD, output power : 0.6mW typ.

1) For other wavelengths askus at FIBERPRO

2) One pass cable loss : total optical loss between the FT3000 optical port and the end offiber under test

(For fiber loss of 0.2dB/km, event detection available for up to maximum of 60km)

Distance measurement available over lengths of 200m~60km (Measurement repeatability : ± 100m@<30km, ± 400m@<60km)

3) Shock protective rubbernot included

4) Battery (0.4kg) included



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