

Patent Pending

For Easy Identification of Fiber Optic Cables

## Acoustic Fiber Cable Identifier™, AFCID™ CI 4000

The **FIBERPRO** Acoustic Fiber Cable Identifier™, AFCID™ is developed for the Telecommunication engineers and technicians who are looking for a user friendly, easy and non-invasive method and instrument for identifying a desired target fiber optic cable in manholes, tunnels, conduits, etc. Fiber optic cable identification is a critical part of maintenance and installation and must be done prior to cutting, splicing and manipulating the main cable in circuit management.

With the CI 4000, the user can easily recognize the target optical cable by gently tapping on it. This non-invasive tapping produces an audio and visual detection by the system. In other words the technician can literally hear and see the target cable.

The patent pending innovation of the CI 4000 provides a new non-invasive way of fiber optic cable

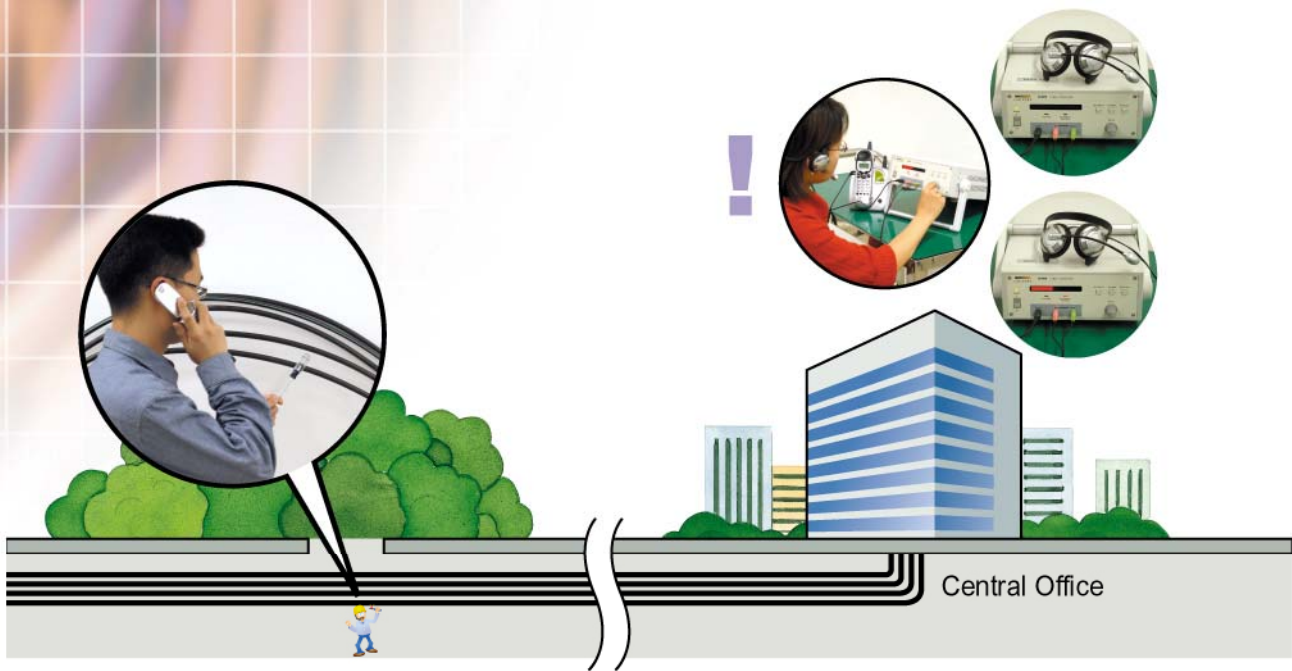
identification that does not require cutting, bending, freezing of the fiber cable. This instrument is a very useful outside plant tool that greatly reduces time and expense of total circuit management, maintenance and repair of fiber optic cables and networks.

# AFCID



### Key Features

- Patent pending Audio-Fiber Technology
- Developed for practical field applications & requirements for large telecomm customers
- Detect minute mechanical perturbation (tapping) of the optical cable at remote sites & office
- Audio/visual detection of target cable at noisy conditions
- Large dynamic range up to optical loss of 50dB  
(Which corresponds to 200 km-span fibers assuming 0.25dB/km loss)



## CI 4000 Specifications

Optical Specifications	
Wavelength	1550 nm
Source Type & Maximum Output	6 dBm (Both ports)
Maximum Optical Cable Loss (Loop)	50 dB
SNR	30 dB
Optical Connector	FC/PC
Signal Conditioning	Mode 1 : Low noise & Low cross-talk Mode 2 : High sensitivity
Output	Visual : Amplitude of Disturbance (LED Bar) Audial : Sound (Corresponded with the Perturbation)
Electric/Physical/Environment Specifications	
AC Power Input	100~240 Vac. 50/60 Hz
Power Consumption	< 25 VA
Dimensions (H X W X D)	88 X 225 X 380 mm <sup>3</sup>
Weight	App. 4 kg
Front Display Type	1 X 30 LED
Operating Temperature	0 to 45 °C
Storage Temperature	-20 to 60 °C