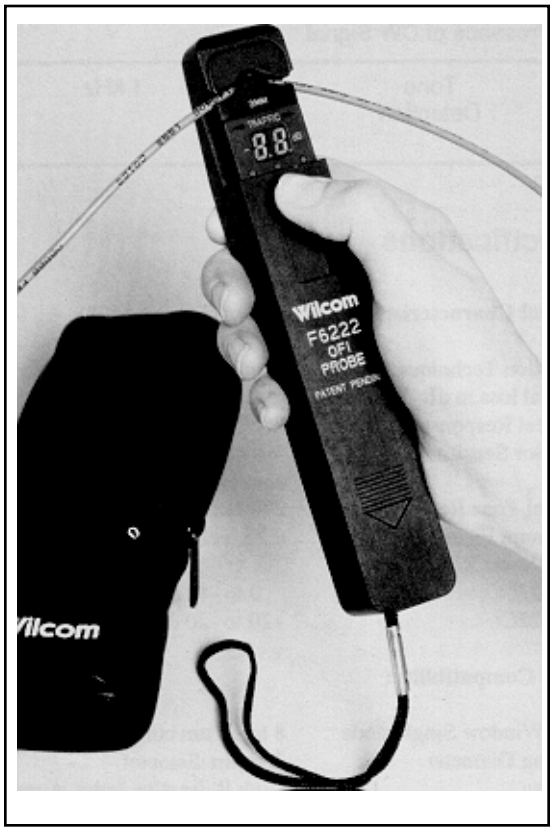
hand-held optical fiber identifier

F6222
F6222C

Features

Hand-Held, Lightweight, Rugged, Battery-Powered

- Interchangeable Adapter Heads for Jacketed, Coated or Ribbon Fiber
- Complete With Leather Carrying Case
- Attaches to Belt or Tool Pouch
- Relative Core Power Reading
- Operates With One Hand
- Weighs 7.5 oz.



Live Fiber Identifier

- Operates From 800 nm to 1700 nm
- Compatible With Most AT&T and Corning Optical Fiber
- Uses Non-Destructive Macro-bending Technology
- Core Power Sensitivity
  - F6222: -40 dBm
  - F6222C: -20 dBm

Easy to Use

- Core Power Measurement
- Bi-Directional Traffic Indication
- High Intensity LED indication of Active Signal Transmission
- Detects presence of 270 Hz, 1000 Hz and 2000 Hz Modulated Tones

Description

Wilcom's hand-held OFI Model F6222 Probe is a rugged, easy-to-use installation and maintenance instrument which identifies optical fibers by detecting the optical signals being transmitted through a singlemode fiber. The F6222C Probe is designed specifically to meet the needs of the CATV industry. By utilizing local detection technology (non-destructive macro-bend detection), both units eliminate the need to open the fiber at the splice point for identification; eliminating the probability of interrupting service.

Signals detected by both models include continuous wave, live optical transmission, and low frequency modulated tones at 270, 1000, and 2000 Hz. When traffic is present on the fiber tested, the direction of transmission is indicated by LEDs illuminating on the probe. When modulated tones are present on the fiber under test, the units will detect and illuminate the corresponding LED for 270 Hz, 1000 Hz or 2000 Hz. The relative core power in the fiber is measured and displayed on a two-digit, seven-segment LED display. This allows for the measurement of power loss through a splice or connector. Both the F6222 and the F6222C have the widest environmental operating range of any optical fiber identifier on the market today.

Description *(Continued)*

The F6222 and the F6222C used in conjunction with Wilcom's Stabilized Laser/LED Sources outlined below offer optimum fiber optic identification capability.

F6222/F6222C	FS8513	FS8514	FS1315B
Wavelength	850 nm 1310 nm	850 nm 1310 nm	1310 nm 1550 nm
Presence of CW Signal	√	√	√
Tone Detection	1 kHz	2 kHz 1 kHz 270 Hz	2 kHz 1 kHz 270 Hz

Specifications

Optical Characteristics: (Using Corning 1528)

Detection Technique	Non-destructive macro-bending
Typical loss in dB	<0.6 db @1310 nm typical
Spectral Response	800 nm to 1700 nm
Detector Sensitivity (MDSP)*	-40 dBm typical (equivalent core power)
Optical Tone Receiver	270 Hz, 1 kHz, 2 kHz
Minimum Fiber Slack	0.75 inches required for detection
Core Power Reading	
F6222:	0 to -40 dBm ± 2dB
F6222C:	+20 to -20 dBm ± 2dB

Fiber Compatibility:

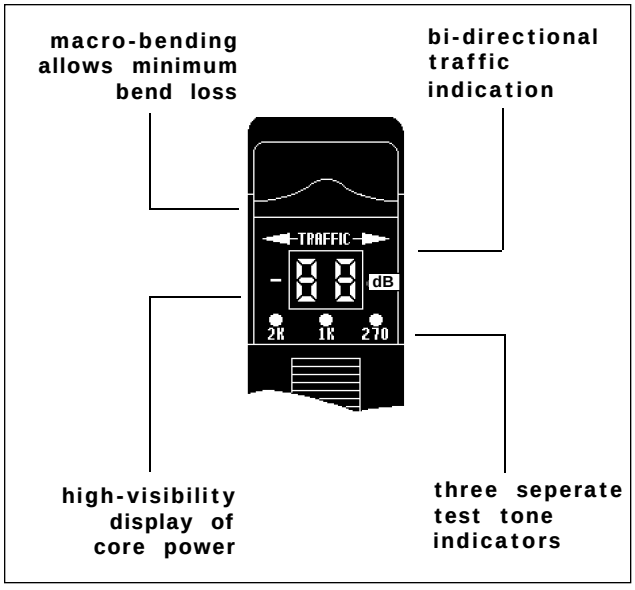
Dual Window Singlemode	8 to 10 µm core diameter
Coating Diameter	250 µm diameter
Coating	High Refractive Index Acrylate

Electrical Characteristics:

Power	One 9-volt Alkaline battery
Operation	Approx. 10,000 readings

Environmental Conditions:

Operating Temperature	-20°C to +50°C
Storage Temperature	-40°C to +60°C
Humidity	0 to 90% non-condensing
Physical	Length: 7.5 inches
	Width: 1 1/4 inches
	Depth: 1 inch
	Weight: 7.5 oz.



Ordering Information:

Model	Part No.
Basic:	
F6222	30622210
F6222C	30622230

Includes Fiber Optic Probe, leather carrying case and three (3) interchangeable adapter heads for jacketed, coated or ribbon fiber.

Accessories:	
2mm Adapter	04419965

CLEI Code: TELWX7DDAA

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