



The Harris® OFI-20 is a handheld optical test instrument that identifies optical fibers by detecting the optical signals being transmitted through the fibers — without having to open the fiber. By utilizing non-destructive, macro-bend detection technology and a unique clamp mechanism, there's no need to create a splice point or interrupt service.

The OFI-20 accurately detects the optical signals, signal directions and the presence of modulated tones. It can test many types of fibers, including 250 μm, 900 μm Ribbon as well as 2mm and 3mm jacketed fibers.

With its wide dynamic range, OFI-20 can efficiently identify wide-spectrum signals, such as signals in CATV system and EDFA, making it perfect for physical layer testing of SONET/SDH and DWDM systems.

Features

- Handheld, easy to use
- Equipped with corresponding adapter for bare fiber and tail fiber
- Intensity display of optical signal
- Low-battery indication
- Buzz indication function
- Display of transmission direction of light
- Identification of various signal frequency: 270Hz, 1kHz, 2kHz
- CE, FCC certificates

Standard Accessories

- Instrument
- Optical clamp
- Screwdriver
- Strap
- Compact carrying softbag
- Warranty card
- CE certificate
- Certificate of Calibration
- User's manual

Specifications

Wavelength Range	800-1700 nm
Type of Detector	InGaAs
Signal Type	CW, 270 Hz±10%, 1kHz±10%, 2kHz, ±10%
LED Display	Signal, direction, frequency (270Hz, 1kHz, 2kHz), intensity (5 class), low battery
Detect Sensitivity ¹	Over -55dBm
Fiber Type	250μm, 900μm, Ribbon - 2mm, 3mm jacketed fiber
Typical Loss	H 0.25~H 0.9: 0.1dB; H 2.0~H 2.5: 0.5dB; H 2.5~H3.0: 1.0dB
General Specifications	
Power Supply	9V alkaline battery
Battery Life	≥16hrs
Operating Temperature	0°C - 50°C
Storage Temperature	-20°C - 70°C
Relative Humidity	0 to 95% (non-condensing)
Weight	0.44 lbs (200g)
Dimension (H x W x T)	7.8 x 3.1 x 2.6 inch (200 x 80 x 40mm)

Note: ¹Detect sensitivity is a typical value tested at the wavelength of 1310 and 1550nm.