K-350 Optical Fiber Identifier

Clamp it on a live fiber: signal presence, direction and relative power, plus 270 Hz / 1 kHz / 2 kHz tone recognition — nothing cut, nothing unplugged.

An optical fiber identifier listens at a bend. Clamped onto a live fiber, a controlled macro-bend leaks a fraction of the light onto two detectors; comparing them shows which way the signal travels, the display reads its relative core power, and a modulated tone from the far end names the fiber outright. The circuit under test never comes down.



K-350 on a live fiber — direction arrow and power reading

Key Features

- Four questions in one clamp-on: is there light, which way is it going, how strong is it, and is it carrying a tone — without cutting, unplugging or taking the circuit out of service
- Tone recognition at 270 Hz, 1 kHz and 2 kHz: the toned fiber sounds a continuous note, plain traffic beeps intermittently — the two can never be confused in a crowded tray
- Four easy-change chucks — Ø0.25 bare fiber, Ø0.9, Ø2.0 FTTH cord and Ø3.0 jumper — so the bend is firm on a jumper and gentle on bare glass
- Direction reading down to -50 dBm at 1550 nm and -46 dBm at 1310 nm on bare fiber, across an 800-1700 nm identification range
- Insertion loss stated honestly: typically 0.8 dB at 1310 nm and 2.5 dB at 1550 nm — the number that lets you clamp onto a working link with confidence
- 9 V battery, light hood for bright plant rooms, and a soft case with chucks and wrist strap: one 200 g grab-and-go kit
- Private labeling made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, ready for your warehouse

Specifications

Identified wavelength range	800–1700 nm
Identified signal types	CW, 270 Hz, 1 kHz, 2 kHz (±5%)
Detector	Ø1 mm InGaAs × 2
Adapter heads	Four easy-change chucks: Ø0.25 (bare fiber), Ø0.9, Ø2.0, Ø3.0
Signal direction	Left / right LED arrow indication
Direction test range (CW, 0.9 mm bare fiber)	-46 to +10 dBm (1310 nm); -50 to +10 dBm (1550 nm)
Relative core power range	-50 to +10 dBm (CW, 0.9 mm bare fiber)
Frequency test range (Ø0.9 / 2.0 / 3.0 heads)	-30 to 0 dBm (270 Hz, 1 kHz); -25 to 0 dBm (2 kHz)
Insertion loss (typical)	0.8 dB (1310 nm); 2.5 dB (1550 nm)

Audible indication	Intermittent tone when traffic is present; continuous tone on a recognised modulation
Power supply	9 V alkaline battery
Operating temperature	-10 °C to +60 °C
Storage temperature	-25 °C to +70 °C
Dimensions	196 × 30.5 × 27 mm
Weight	200 g

Two Views

From the back, the battery cover and caution label sit above the wrist strap, with the three spare chucks laid out — 2.0 mm, 3.0 mm and 250/900. The kit view shows how it travels: identifier, chucks and the soft zippered case.



Back — with the three spare chucks



As supplied — identifier, chucks and case

In Use

Seat the fiber fully in the chuck that matches its coating — a 3.0 mm jumper in the bare-fiber chuck bends too hard; bare fiber in the 3.0 chuck may not bend enough to read. Close the light hood in bright rooms: stray light is the one thing a leak detector cannot tell from signal. Use the clamp briefly, for identification — it is a measuring bend on a live circuit, not a permanent tap. For absolute power levels, take the fiber out of service and use a power meter.

OEM & Private Label

The K-350 is supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the tools, the inner boxes and the outer cartons, so the goods arrive ready for your warehouse. Custom barcode & contract labeling is applied to every inner box and outer carton to your receiving specification.