



KI 6150 SERIES

PHONE & TRAFFIC IDENTIFIER

KI 6150 series Optical Fiber Tone and Traffic Identifier is a rugged, easy to use optical installation instrument.

OPTICAL COMMUNICATIONS TEST APPLICATIONS

- ✓ Positive fiber identification before disconnecting live circuits
- ✓ Positive identification of fibers carrying traffic
- ✓ Continuity testing unterminated fibers
- ✓ Long and short links
- ✓ Installation and maintenance

FEATURES

- ✓ Low insertion loss avoids traffic dropout
- ✓ Sensitive tone detection
- ✓ Small and easy to operate
- ✓ Works with 250 μ m, 900 μ m, 1.6 / 2 mm, 3 mm & ribbon fiber
- ✓ Detects 270 Hz, 1 KHz, 2 KHz tones
- ✓ Low false detection rate



ISO
9001



1 ~ 5 YEAR
WARRANTY



FTTx

TELCO / CATV

LAN / WAN

DEFENCE

EDUCATION

AUTOMOTIVE



The KI 6150 series Tone and Traffic Identifier is a rugged, easy to use installation instrument used to identify optical test tones and live traffic in singlemode fiber. The major application is to positively identify fibers to avoid accidentally disconnecting live systems.

The instrument is simple and reliable to use with one hand. It can detect a variety of optical tones, which can be provided by any Kingfisher 1310 / 1550 nm laser source. The LED display clearly indicates tone or traffic direction, or low battery.

Low optical insertion loss (particularly at 1550 nm) is an important feature, to prevent accidentally dropping out live circuits, as well as a low false-detection rate due to stray light.

3 fiber chucks enable operation on 250-900 μ coated fiber, 3 mm patch leads, and ribbon fiber.

The instrument is ruggedly constructed, and comes in a leather pouch. No other accessories are required, except for an optical tone source.

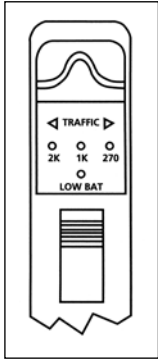


Figure 1

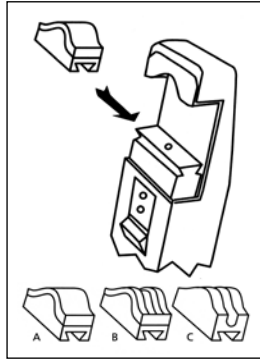


Figure 2

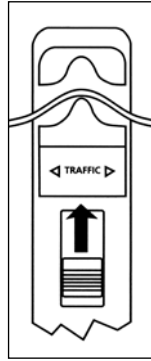


Figure 3

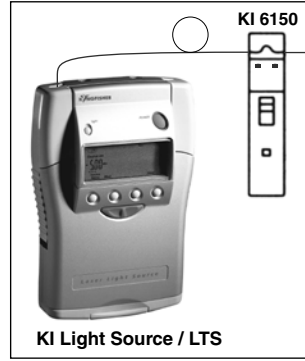


Figure 4

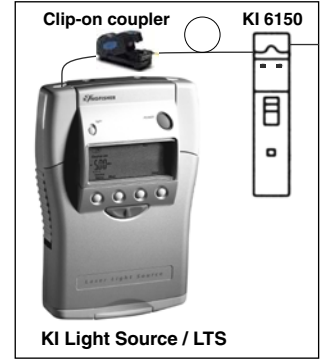


Figure 5

SPECIFICATIONS¹

Detected Tones	270 Hz, 1 KHz, 2 KHz
Detected Wavelengths	800 ~ 1800 nm
Fiber Types	SMF, 250 ~ 900 μ m coated SMF, 1.6 / 2 mm patchlead SMF, 3 mm patchlead SMF, ribbon
Fiber Slack Required	12 mm (0.5")
Tone / Traffic Range	0 to -40 dBm core power ²
Insertion Loss	< 0.6 dB @ 1310 nm typ

Notes:
1. Corning 1528 fiber with un-pigmented coating
2. Typical Mean Detectable Signal Power (MDSPP) for singlemode fiber at 1310 nm.

FIBER COMPATIBILITY

Dual Window Singlemode	8 ~ 10 μ m core diameter
Coating Diameter	250 μ m diameter
Coating	High Refractive Index Acrylate

GENERAL SPECIFICATIONS

Display	Traffic direction, Tone frequency, Low battery, Self test
Power	9V PP3 Alkaline battery Low battery detector, Auto turn-off 10,000 readings typ
Size / Weight	215 gm (7.6 oz) 180 x 30 x 24 mm (7.5 x 1.25 x 1")
Environmental	-20 to +50 °C operating -40 to +60 °C storage Humidity < 90% RH

ORDERING INFORMATION

Description	P/N
Tone and Traffic Identifier	KI 6150

STANDARD ACCESSORIES

Description	Quantity
The chuck for 900 μ m SMF fiber	1
The chuck for 3 mm fiber	1
The chuck for ribbon / 250 μ m fiber	1
Battery	1
Manual	1
Wrist strap	1

OPTIONAL ACCESSORIES

Description	P/N
The chuck 1.6 / 2 mm SMF fiber	OPT610
Test Tone Generator	Kingfisher Optical Light Source, Loss Test Set
Optical Clip-on coupler, SMF	OPT130

Australian and international patents. Technical data is subject to change without notice as part of our program of continuous improvements.