

OPTICAL COMMUNICATIONS TESTING 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 , 900 μ , 1.6 mm, 3 mm & ribbon fiber.
- Detects 270 Hz, 1 KHz, 2 KHz tones.
- Low false detection rate.



A Rugged, easy to use

Optical Installation Instrument



www.kingfisher.com.au



Applications

The KI6150 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.

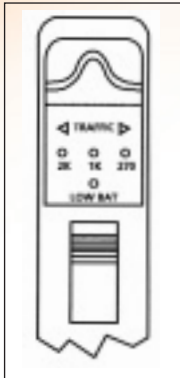


Figure 1

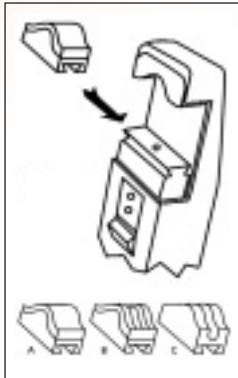


Figure 2

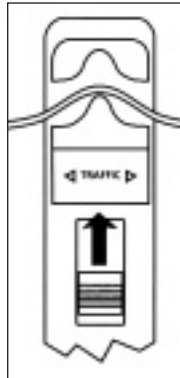


Figure 3



Figure 4

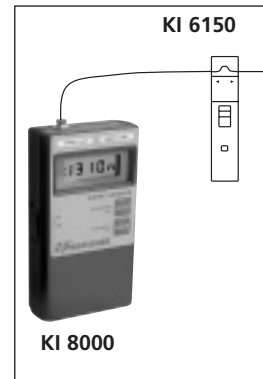


Figure 5

Specifications

Detected tones:	270 Hz, 1 KHz, 2 KHz
Detected Wavelengths:	800 - 1800 nm
Fiber types:	SMF, 250 - 900 μ coated SMF, 3 mm patchlead SMF, ribbon SMF, 1.6 mm patchlead Enquire for 2mm adaptor
Fibre Slack Required:	12 mm (0.5")
Tone / Traffic Range:	0 to -40 dBm core power
Insertion loss:	< 0.6 dB @ 1310 nm typ
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

Note 1. Corning 1528 fiber with un-pigmented coating

Ordering Information

Instrument	p/n
Tone and Traffic Identifier	KI 6150

Standard Accessories

Included with instrument: 3 fiber chucks, leather pouch, batteries, manual, wrist strap.

Optional Accessories

Test Tone Generator - see light source brochures
Chuck for 2mm fiber test lead.

Also available from kingfisher: Light Source, power Meter, Loss test Set, Attenuator, Talk Set, Cold Clamp, Visible Pen.



AUTHORISED DISTRIBUTOR



www.kingfisher.com.au

30 Rocco Drive, Scoresby, Victoria 3179, Australia
Tel: (61) 3 9757 4100 Fax: (61) 3 9757 4193
E-mail: sales@kingfisher.com.au