

KI 021

HAND HELD OPTICAL TALK SET



Revision 10

A fiber optic talk set is used during fiber cable installation, commissioning & repair, when other communications systems are inconvenient or not available. A pair of KI021 Optical Talk Sets provides convenient full duplex voice communication over a single optical fiber.



OPTICAL COMMUNICATIONS APPLICATIONS

- Temporary optical voice link / order wire set
- Cable installation and testing
- Transmission system set-up
- Restoration
- Fiber identification source

FEATURES

- Field proven reliability
- Full duplex over one fiber
- Transmission & receiving LED indicator
- Long battery life with low battery LED indicator
- Clip-on probe available
- 2 year warranty

The Kingfisher KI021 talk sets are used during installation and maintenance of fiber optic transmission systems, they provide superb performance and convenience, and are used during installation and maintenance of fiber optic transmission systems.

The talk sets are typically used where alternative communications may be impossible, unreliable, inconvenient or expensive. They typically save time and help make field operations more efficient and predictable.

The talk sets can be easily used by semi-skilled staff.

One model is suitable for all general singlemode and multimode applications.

Rear labels:



Reliable field operation is guaranteed by a unique combination of features such as very simple to operate controls, rugged drop protected construction and reliable analogue transmission.

High quality voice transmission is maintained over the full optical range, with no operator intervention.

The talk sets come in matched 1310/1550 nm pairs.

SPECIFICATIONS

Fiber type	SMF
Wavelength	1310 / 1550 nm matched pair
Optical power level	> -5 dBm
Dynamic range	> 45 dB
Modulation mode	Pulse-duration
Power	3 x AA (total voltage: 3.75 ±0.25 V) internal batteries ¹ rechargeable via USB
Battery life	120 hours
Talking time	40 hours
Unit size	173 x 85 x 36 mm (6.8 x 3.3 x 1.4")
Unit weight	0.4 kg (0.9 lb)
Shipping weight	2.5 kg, include standard instruments & accessories
Temperature	Operating: -10 to 50 °C / Storage: -25 to 55 °C
Relative humidity	90% @ 30°C

Note 1: Appropriate tool is required to access the internal rechargeable batteries.

OPTIONAL ACCESSORIES

Description	P/N
Fiber clip-on coupler, 20 ~ 30 dB typ coupling loss ²	OPT130

Note 2: The Clip-On coupling loss is 17 dB under ideal conditions, however 20 ~ 30 dB is often achieved under practical conditions.

Technical data is subject to change without notice as part of our program of continuous improvements. Class 1 Laser product, complies IEC60825-1 and 21CFR1040.10.

ORDERING INFORMATION

Description	P/N
Instrument, Talk Set, SM 1310 nm and 1550 nm Laser, SC	KI021*.

Please enquire for other connector types

STANDARD INSTRUMENTS & ACCESSORIES

Description	Quantity
KI 021A (1310 nm) talk set, SC/PC	1
KI 021B (1550 nm) talk set, SC/PC	1
Headsets	2
USB cable for battery charging	2
Operation manual	2
Soft carry case, carry strap	2

AUTHORISED DEALER



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