

TECHNICAL DATA SHEET



TS30 Singlemode Talk Set

The KD Optics TS30 is a full duplex laser based talk set intended for use when installing or maintaining singlemode cables. The unit is pocket sized and comes complete with a lightweight headset to provide total hands-free operation. Features include a call signal with LED indication on the front panel as well as a buzzer within the unit. Additionally the CW function allows a stabilised light output from the unit to be used for attenuation testing.



TS30 Singlemode Talk Set *

Full Duplex / hands free operation

1310nm or 1550nm option

Up to 160km range

Long battery life

May be used as a stabilised source

Suitable for singlemode and multimode

Compact and rugged

Call Signal

* Note. Appearance of headphones may change

TS30 Talk set Specifications

| | | |
|-----------------------|---|------------------------------------|
| Source Type | Semiconductor laser | |
| Wavelength | 1310nm nominal | 1550nm nominal |
| Dynamic range | 30dB | 40dB |
| Distance | Approx. 100km (singlemode fibre)** | Approx. 160km (singlemode fibre)** |
| Output power level | 0.0dBm nominal, (8/125) | |
| Fibre type | Singlemode | |
| Source stability (CW) | ±0.5dB or less over 1 hour at 23°C | |
| Stabilisation time | Typically 30 seconds from power up at 23°C | |
| Battery type | 2 AA rechargeable NimH (supplied) or AA Alkaline | |
| Battery life | 30 hours approx. (NimH rechargeable) 40 hours approx. (Alkaline) | |
| Charger | Will operate the unit and charge the NimH batteries. | |
| Optical Connector | Fixed FC/PC, ST, SC, Diamond etc. | |
| Temperature range | 0 - 50°C | |
| Dimensions | 152 x 83 x 33mm | |

**Based upon a fibre loss of 0.3dB/km at 1310nm and 0.25dB/km at 1550nm, no other losses taken into account.

Talk Set Ordering information

TS30-1310nm Talk set
TS30-1550nm Talk set

Note. The TS30 is supplied in pairs.

Talk Set Standard accessories

Carrying pouch
Headset with microphone
NimH rechargeable batteries
AC charger
Manual
One year warranty

Talk Set Optional accessories

Spare headset
Spare AC charger
Bare fibre adaptor
Test cables

Other Products available from KD Optics:

Single and Multimode Power meters
Laser and LED sources
Loss Test Sets
Optical attenuators
Multimode Optical Talk sets
Cooled laser sources
Optical data logging and Device alignment test sets
Thermo Electric Cooler (TEC) controllers

Manufactured in the UK by:

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