

OTS-55 SMART Optical Talk Set

A SMART, Future-Proof Optical Talk Set



Key features

- Market's first unit, that doesn't need a headset for hands-free operation
- ≥ 45 dB dynamic range
- Wavelength of operation: 1550 nm
- Clear digital voice transmission
- Hands-free operation
- 4-way powering
- Rugged casing
- Visual fault locator option at 635 nm
 - Economical option for fiber tracing, routing, and continuity checking
 - Universal push-pull adapter 2.5 mm (1.25 mm adapter optional)

New

Applications

The new OTS-55 fulfills today's communication needs during fiber installations, maintenance or troubleshooting in a very cost effective way by using one single "dark" fiber.

Headset free

The OTS-55 provides clear digital voice transmission over a single fiber. Hands-free operation makes communication even more convenient for the technician by using either a headset or the "speakerphone" mode. No matter how you use it, the OTS-55 provides crystal clear communication any time.

Flexibility

The outstanding performance of this talk set ensures not only a communication between two OTS-55. Indeed, its flexibility allows operation together with the MTS/T-Berd 6000/8000 as well as the OFI-2000 tester (when equipped with talk set functionalities).



2



OCK-10 Optical Connector Cleaning Kit (accessory)



OIM-400 Fiber Microscope



Optical adapters (BN 2150) for laser source output



Worldwide compatible AC adapter/charger (SNT-121A)



Dust cap for the optical interface

Visual fault locator (option)

Shock-proof design

Display (128 x 64 dots)

Loudspeaker

Backlight for the display

Switch microphone ON/OFF

Up and down arrow keys to adjust the volume of the loudspeaker

Microphone

Volume
CONNECTION:OK
NOISE RED.:ON
SPEAKER :AUTO
MODE :SPEAKERPHONE

Specifications

Operating wavelength	1550 nm
Dynamic range	≥ 45 dB (single mode) Can also be used with multimode fibers (50/125/62.5/125 μm); ≥ 10 km
Optimum fiber type	Single mode 9/125 μm
Operation modes	headset or speaker phone
Compatibility	MTS/T-BERD-6000/8000; OFI-2000
Visual fault locator option	
Wavelength	approx. 635 nm
Power output	approx. -5 dBm (SMF-28 fiber, class II laser product)
Optical connector	Universal push/pull adapter (UPP) for standard 2.5 mm connector system [use S3122 adapter for LC connectors (see next page)]

General data

Display

Graphical display	
Resolution of	128 × 64 dots
Backlight function	switchable via separated key

Optical connector

Optical connector interchangeable adapter from 2150/00.xx range	
2.5 mm plugs	FC, ST, SC, DIN
1.25 mm plugs	LC

Power supply

Four dry batteries Mignon/AA, 1.5 V or NiMH rechargeable cells Mignon/AA 1.2 V	
Operating time from dry batteries (in headset mode)	>60 h
Batteries/NiCd/NiMH power saving mode	
AC line operation via separate AC adapter/charger SNT-121A	
Integrated fast battery charging function	2 hours

Electromagnetic compatibility

Corresponds to IEC 61326 (CE conformance)	
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Ambient temperature

Nominal range of use	-10 °C to +55 °C
Storage and transport	-40 °C to +70 °C

Dimensions and weight

W × H × D approximately	95 × 60 × 195 mm (3.74 × 2.36 × 7.68 in)
Weight approximately	500 g (0.1 lb)

Ordering information

BN 2285/01	Single unit OTS-55
BN 2285/10	Pair of two units OTS-55
BN 2252/90.10	Visual fault locator option This option can only be ordered with new units (it cannot be integrated in existing units).

Accessories

BN 2150/00.32	Optical adapter ST type
BN 2150/00.58	Optical adapter SC type
BN 2150/00.51	Optical adapter FC type
BN 2150/00.50	Optical adapter DIN type
BN 2150/00.59	Optical adapter LC type
BN 2229/90.21	OCK-10 Optical Connector Cleaning Kit
BN 2277/90.01	Worldwide compatible AC adapter (SNT-121A)
BN 2237/90.02	NiMh cells, Mignon/AA size (4 required)

Included with the OLS-55

Interchangeable adapter from	BN 2150/00.xx range
Four dry batteries Mignon/AA, 1.5 V	
Operating manual	
MT-1S Belt bag	

Accessories for visual fault locator option

BN 2252/02	Adapter for 1.25 mm UPP
	

S3122	Adapter from 2.5 mm UPP to LC (1.25 mm)
	