

SmartClass™ OTS-55 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)

Applications

The JDSU SmartClass OTS-55 (optical talk set) 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 SmartClass 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 SmartClass OTS-55 provides crystal clear communication any time.

Flexibility

The outstanding performance of this talk set ensures not only a communication between two SmartClass 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).



SMARTCLASS OTS-55 Optical Talk Set

Accessories



OCK-10 Optical Connector Cleaning Kit (accessory)



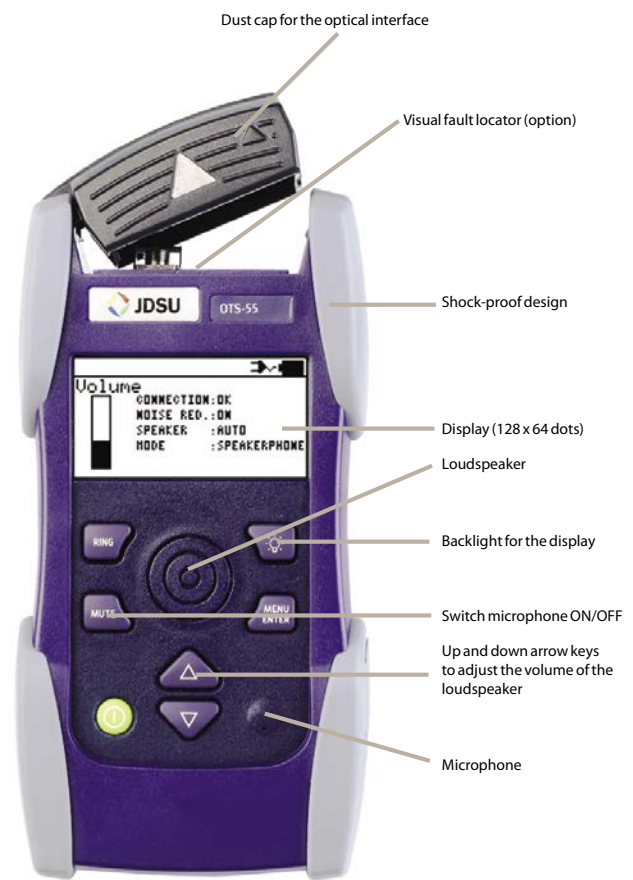
OIM-400 Fiber Microscope



Optical adapters (BN 2150) for laser source output



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



SMARTCLASS OTS-55 Optical Talk Set

Specifications

General data

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)]

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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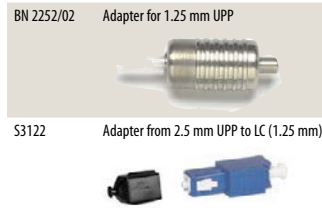
Ambient temperature

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 (1.1 lb)

Accessories for visual fault locator option



SMARTCLASS OTS-55 Optical Talk Set

Order Information

Order information

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

Included with the OLS-55

Interchangeable adapter from BN 2150/00.xx range, 4 dry batteries Mignon/AA, 1.5 V, operating manual, MT-15 belt bag

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)