

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



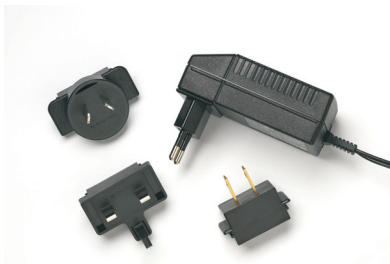
OCK-10 Optical Connector Cleaning Kit (accessory)



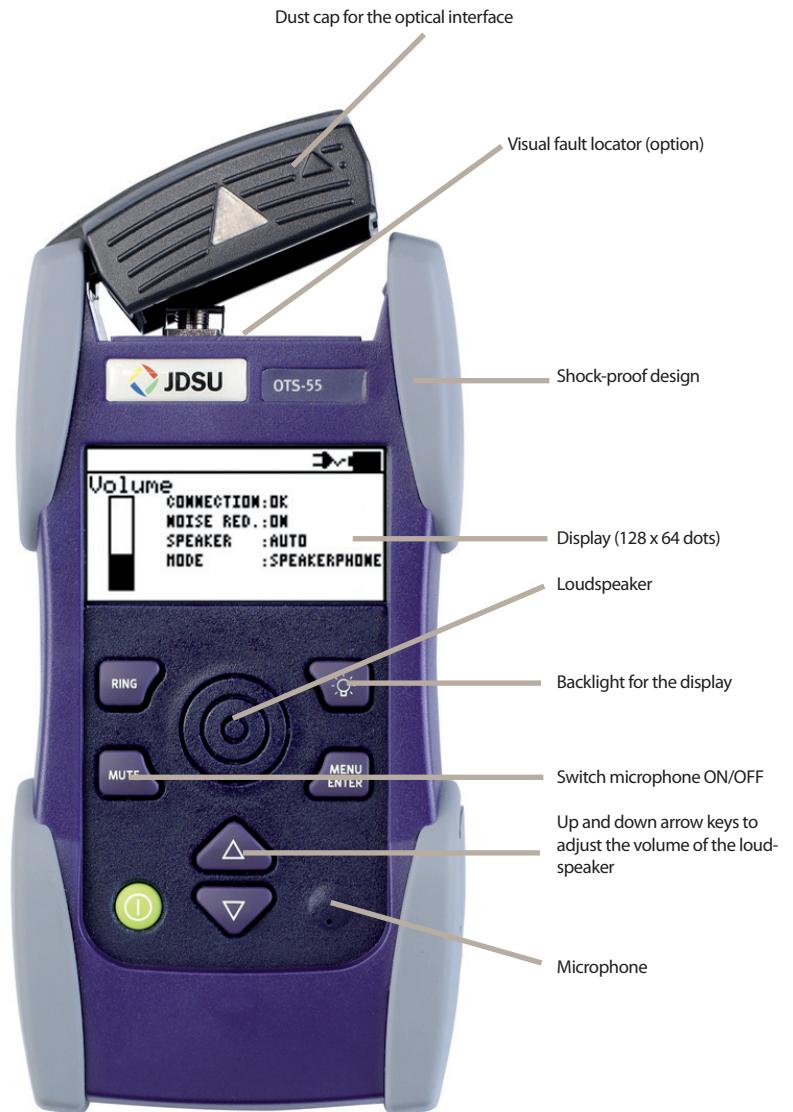
OIM-400 Fiber Microscope



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

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)	
---	--

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)
	

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its applications. JDSU reserves the right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein. JDSU makes no representations that the products herein are free from any intellectual property claims of others. Please contact JDSU for more information. JDSU and the JDSU logo are trademarks of JDS Uniphase Corporation. Other trademarks are the property of their respective holders. © 2007 JDS Uniphase Corporation. All rights reserved. 30137430 002 0707 SMART-OTS55.DS.FOP.TM.AE

Test & Measurement Regional Sales

NORTH AMERICA TEL: 1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL:+55 11 5503 3800 FAX:+55 11 5505 1598	ASIA PACIFIC TEL:+852 2892 0990 FAX:+852 2892 0770	EMEA TEL:+49 7121 86 2222 FAX:+49 7121 86 1222	WEBSITE: www.jdsu.com
---	--	---	---	--