

smallTALK® Fiber Communicator



CORNING

Discovering Beyond Imagination

Corning
Cable Systems



TEPSS1010

Description

Corning Cable Systems' smallTALK® Fiber Communicator provides point-to-point communication for fiber optic systems. This economical communication tool operates over a single-mode or multimode fiber. There is a multimode version that operates at 850 nm and a single-mode/multimode version that operates at 1300 nm. This easy, walkie-talkie type talk set can be used on virtually every type system.

The 850 nm version operates over multimode fiber, has 25 dB of dynamic range, and offers a 4-mile range. The smallTALK-SM, 1300 nm ver-

sion, provides 30 dB of dynamic range and operates over both single-mode and multimode fiber.

The smallTALK fiber communicator is designed to be a useful, economical addition to your fiber optic test gear. Compact and lightweight, these 6-ounce units operate on a 9-volt alkaline battery with up to 15 hours of operation. Used during installation, testing, maintenance, and restoration, the smallTALK fiber communicator makes an ideal addition to any fiber optic tool kit.

Features / Benefits

- 25 dB dynamic range for 850 nm version; 30 dB for 1300 nm version
- Bidirectional/single fiber
- Walkie-talkie type operation
- 9V alkaline battery operation
- Inexpensive
- Included accessories:
 - Hard-shell waterproof case
 - Operating instructions
 - 9V batteries

Applications

- Communications tool for:
 - Installation
 - Maintenance
 - Restoration

smallTALK® Fiber Communicator

Optical Specifications

	smallTALK®	smallTALK-SM-XX
Wavelength	850 nm nominal	1300 nm nominal
Dynamic Range	≥ 25 dB guaranteed	≥ 30 dB guaranteed
Optical Transmission	Bidirectional/single fiber	Bidirectional/single fiber
Compatible Multimode Fiber Types	50/125 μm 62.5/125 μm 100/140 μm	9/125 μm 50/125 μm 62.5/125 μm 100/140 μm
Optical Connector Type	ST® compatible	ST compatible FC

Power Specifications

Power	9V alkaline battery
Battery Life	Approximately 15 hours continuous operation

General Specifications

Dimensions	4.2 in x 2.8 in x 1.1 in (111 mm x 72 mm x 28 mm)
Weight	6 oz (170 g)
Operating Temperature	-20 to +55°C
Includes	Two smallTALK fiber communicators Two 9V batteries One hard-shell waterproof transit case Operating instructions

Ordering Information

Part Number	Description
smallTALK	Multimode smallTALK Fiber Talk Set (850 nm); ST compatible connector only
smallTALK-SM-XX	Multimode/Single-mode smallTALK Fiber Talk Set (1300 nm); specify connector type from codes below

Connector Codes

Connector Types	Code (XX)
FC	16
ST compatible	19

Note: Other connector types accommodated with hybrid jumpers.



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
1-800-743-2675 • FAX:828-327-5973 • International: 828-327-5000
<http://www.corning.com/cablesystems>. Corning Cable Systems reserves the right to improve, enhance, and modify the features and specifications of Corning Cable Systems' products without prior notification. smallTALK is a registered trademark of GN Nettest (New York) Inc. ST is a registered trademark of Lucent Technologies. All trademarks are the properties of their respective owners.
© 1997, 2001 Corning Cable Systems. All Rights Reserved. Printed in USA.
TEQ-59A / July 2001 / pdf