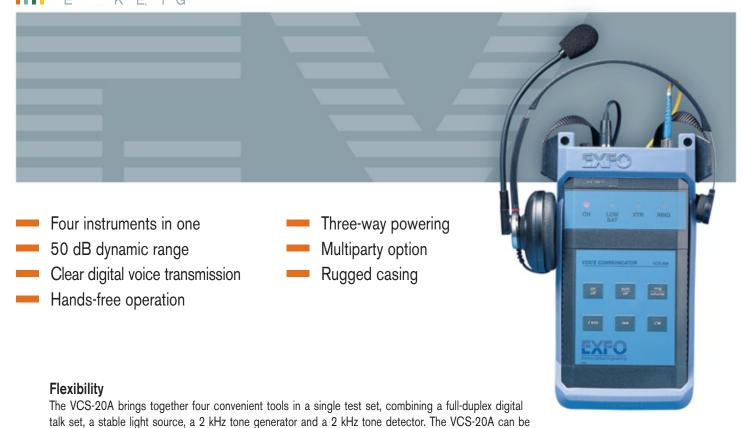


MULTIFUNCTION FIBER-OPTIC TALK SET

C, -20A



Efficient applications

The VCS-20A fulfills more than simple communication needs. In fact, the light source is calibrated and is stable in time and temperature. Use continuous wave selection to perform attenuation and insertion loss tests. Why carry an extra source when one VCS-20A does it all?

configured for singlemode and multimode applications with LED or laser sources.

Extended dynamic range

Two new configurations have extended the VCS-20A's dynamic range to 50 dB. This wide range makes it possible to use new applications requiring clip-on devices.

Easy-to-use talk set

This unit is rugged and provides high-quality voice communication over a single fiber. The unit's hands-free operation is convenient and simple: press the Talk button to send or receive a call. As usual, conversations are as clear as if both operators were in the same room.

Powerful and durable

For hours of flawless operation, the three-way powering function automatically selects the best alternative among the choices of rechargeable NiMH battery, 9 V alkaline backup and AC adapter/charger input. Its rugged waterproof casing and protective holster make the VCS-20A the preferred field-testing instrument in the outside plant industry.



SPECIFICATIONS 1

Model		-02C	-02BL	-02BL-ER	-03BL	-03BL-ER	
Emitter type		LED	laser	laser	laser	laser	
Wavelength (nm)		1300 ± 30	1310 ± 25	1310 ± 25	1550 ± 25	1550 ± 25	
Spectral width (typical) (nm)		80	5	5	5	5	
Optimum fiber type (µm)		50/125	9/125	9/125	9/125	9/125	
Distance range ² (approximately) (km/mi.)		55/34 ³	128/80	142/89	180/112	200/125	
Power output (dBm	Power output (dBm)/dynamic range (dB)						
	9/125 μm	-32/13	-5/45	-5/50	-5/45	-5/50	
	50/125 μm	-17/33	-5/30	-5/35	-5/30	-5/35	
	62.5/125 μm	-17/26	-5/28	-5/33	-5/28	-5/33	
Stability (dB)	1 hour⁴	± 0.05	± 0.10	± 0.10	± 0.10	± 0.10	
	8 hours ⁵	± 0.20	± 0.20	± 0.20	± 0.25	± 0.25	

GENERAL SPECIFICATIONS

Size (H x W x D)		22 cm x 11 cm x 5 cm	(8 °/4 in x 4 1/2 in x 2 in)			
Weight	unit	0.88 kg	(1 ³ / ₄ lb)			
	shipping	2.5 kg	(5 lb)			
Temperature	operating	-10 °C to 50 °C	(14 °F to 122 °F)			
	storage	-30 °C to 60 °C	(-22 °F to 140 °F)			
Relative humidity	_	0 % to 95 % non-condensing				
Power		charge, recharges in 6 ho 10 hours. Automatic trar	Built-in rechargeable NiMH battery lasts 17 hours from full charge, recharges in 6 hours; 9 V battery backup supply lasts 10 hours. Automatic transfer to disposable batteries when rechargeable battery pack runs low. AC adapter/charger for continuous use			

STANDARD ACCESSORIES

User guide, AC adapter/charger, built-in rechargeable batteries, two 9 V alkaline batteries, carrying case, protective holster, shoulder strap, headset with boom microphone and Certificate of Compliance.

- All tests performed at 23°C ± 1°/73.4°F ± 4° after 1 minute warm-up period.
 9/125 µm SMF 28 CPC 3 singlemode fiber.
 50/125 µm CPC 3 multimode fiber.

- After a 10-minute warm-up period.

This product complies with 21 CFR 1040.10 and 1040.11, and

with IEC 60825-1:1993+A2:2001. CLASS 1 LASER PRODUCT CLASS 1 LED PRODUCT

After a 20-minute warm-up period.

For multimode sources only. For singlemode sources only.

ORDERING INFORMATION

VCS-20A-XX-XX

Source Connector 50 = FC/PC6 02C = 1300 nm LED multimode 02BL = 1310 nm laser singlemode 54 = SC/PC6

03BL = 1550 nm laser singlemode 58 = FC/APC narrow key

74 = ST/PC6 02BL-ER = Extended range 1310 nm 89 = FC/UPClaser singlemode

90 = ST/UPC03BL-ER = Extended range 1550 nm 91 = SC/UPClaser singlemode

EI-EUI-28 = UPC/DIN 47256 EI-EUI-76 = UPC/HMS-10/AG EI-EUI-89 = UPC/FC narrow key EI-EUI-90 = UPC/ST

EI-EUI-91 = UPC/SC EI-EUI-95 = UPC/E-2000 $EA-EUI-28 = APC/DIN 47256^7$ EA-EUI-76 = UPC/HMS-10/AG EA-EUI-89 = APC/FC narrow key⁷ EA-EUI-90 = UPC/ST

 $EA-EUI-91 = APC/SC^7$ Example: VCS-20A-02BL-EI-EUI-89 $EA-EUI-95 = APC/E-2000^7$

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Rugged Handheld Solution

-OLTS

Power meter Light source

Talk set



Optical Fiber

OTDR

OLTS

ORL meter Switch

DWDM Test Systems

-OSA

-PMD analyzer

- Chromatic dispersion analyzer - Multiwavelength meter

Telecom/Datacom

-10/100 and Gigabit Ethernet

-SONET/SDH (DS0 to OC-192c)

-SDH/PDH (64 kb/s to STM-64c)

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. All of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.exfo.com/recycle. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

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