

# 250S

## SHDSL QUALIFIER

CoLT-250S

NETWORK TESTING



### The Easiest Way to Accelerate SHDSL Deployment

The CoLT-250S is the most economical test set for verifying that symmetrical SHDSL service is properly delivered to your customers. Simply connect the CoLT-250S to the circuit, turn the unit on, and within seconds you are synchronized with SHDSL DSLAM and displaying SHDSL results on screen. The CoLT-250S is so easy to use, installers can be trained to operate the unit in just a few minutes.

The CoLT-250S quickly confirms the presence and speed of the delivered SHDSL service at the customer premise, from 192 kbps to 2.3 Mbps! In this manner, the level of service sold to your customers can be justified. The CoLT-250S utilizes an actual GlobeSpan SHDSL modem inside which means that the CoLT-250S works with all GlobeSpan compatible SHDSL DSLAMs.

Loop plant records and automated test systems can pre-qualify a loop, but they are unable to accurately predict the level of SHDSL service that can be achieved. Automated test systems that depend on single-ended testing cannot give a true picture of loop quality. The CoLT-250S displays the actual connection rates as a subscriber would see them.

Replacing your spectrally challenged HDSL, T1 or 2 Mbit/s (E1) circuits with SHDSL? Use the CoLT-250S to confirm that you've properly commissioned your SHDSL STU-C and that the physical layer has not been compromised. The CoLT-250S' EOC channel provides Signal to Noise Ratio Margin and Loop Attenuation to ensure installers that the SHDSL service has been successfully deployed.

Consultronics Products Group

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Telecommunications Test and Measurement

**EXFO**

EXPERTISE REACHING OUT

## KEY FEATURES

- Economical and easy-to-use
- Lightweight handheld design
- Runs a test at the push of a button
- Easily confirms SHDSL service at the Customer Premise
- Save multiple results for later analysis
- Attaches directly to the copper pair via telco chips
- Reduces time and removes the guess work in installing SHDSL services
- Can connect to various locations on the local loop
- Upgradeable via the integrated RS232 serial interface
- Field replaceable batteries
- Send results to a PC to view negotiated parameters
- Complete package includes test cable, user guide and soft pack carrying case.

## SPECIFICATIONS

### General

Size (H x W x D)	23.5 cm x 11.4 cm x 3.8 cm	(9.3 in x 4.5 in x 3.8 in)
Power	4 x 'AA' size Alkaline batteries	
Battery Life	300 tests, based on typical use	
Temperature	operating 0 °C to 50 °C	(32 °F to 120 °F)
Humidity	5 to 95% non-condensing	
Display	16 char. x 4 line backlit LCD	

### Connectors

Line Interface	RJ-45@135 ohms	Test cable ends in 2 telco ships and a RJ-11 connector
Serial Port	RS232C/V.24 DB-9	The RS232C/V.24 DB-9 is used for the downloading results and uploading of new software
Chipset	GlobeSpan STU-R	STU-C is optional
Termination	135 ohms	
Standards	G.991.2	G.994.1
Mode of Operation	Annex A and Annex B	
Rates Supported	2 Wire: 192 kbps to 2.3 Mbps in 8 kbps steps	

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at [www.EXFO.com](http://www.EXFO.com).

Rugged Handheld Solutions		Platform-Based Solutions		
OPTICAL	DSL/COPPER	OPTICAL FIBER	DWDM Test Systems	Transport/Datacom
<ul style="list-style-type: none"> <li>• OLTs</li> <li>• Power meters</li> <li>• Light sources</li> <li>• Talk sets</li> </ul>	<ul style="list-style-type: none"> <li>• ADSL/ADSL2+, SHDSL, VDSL test sets</li> <li>• VoIP and IPTV test sets</li> <li>• Ethernet test sets</li> <li>• POTS Test sets</li> </ul>	<ul style="list-style-type: none"> <li>• OTDRs</li> <li>• OLTs</li> <li>• ORL meters</li> <li>• Variable Attenuators</li> </ul>	<ul style="list-style-type: none"> <li>• OSAs</li> <li>• PMS analyzers</li> <li>• Chromatic dispersion analyser</li> </ul>	<ul style="list-style-type: none"> <li>• SONET/DSn (DS0 to OC-192) testers</li> <li>• SDH/PDH (64 kb/s to STM-64c) testers</li> <li>• T1/T3 testers</li> <li>• E1 testers</li> <li>• 10/100 and Gigabit Ethernet testers</li> <li>• Fibre Channel testers</li> <li>• 10 Gigabit Ethernet testers</li> </ul>

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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](http://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. **Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.** For the most recent version of this spec sheet, please go to the EXFO website at <http://www.EXFO.com/specs>. In case of discrepancy, the Web version takes precedence over any printed literature.