QUICK REFERENCE GUIDE

Menu and Keys

Copper Test

TDR, RFL, DMM, wideband, POTS

System

Software version/options, date/time, power settings

Function Keys

Escape/Back

Power

Standby mode: Hold button for 1 beep

Navigation Keys

xDSL Test

ADSL2+ Annex A/B*, VDSL2

Home

Start/Stop

Enter

Ports

Wan (Ethernet RJ45)

Connect to router/gateway for IP testing

T/A-R/B

Primary interface for copper testing

Earth/Ground



LAN (Ethernet 10/100)

Connect to STB or PC for DSL based IP testing

WAN (DSL)

Connect to ADSL2+/VDSL2 DSLAM. 2 pairs on RJ-11 for bonded tests

T1/A1-R1/B1

Secondary interface for copper testing in 4-wire mode



The MaxTester 635

Copper Testing Cables

T/A–R/B
Primary interface



Earth/Ground



T1/A1-R1/B1
Secondary interface



ACC-M4MMYB

DSL Testing Cables

RJ-RJ-Banana Y-CablePrimary interface



ACC-RJ11-4MM

DSL Bonding Options*

RJ-Banana Cable

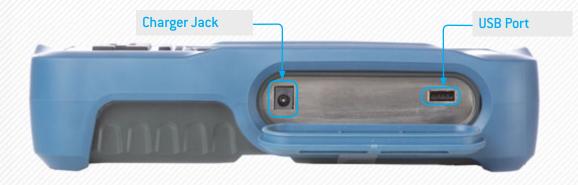


ACC-BD-4MM

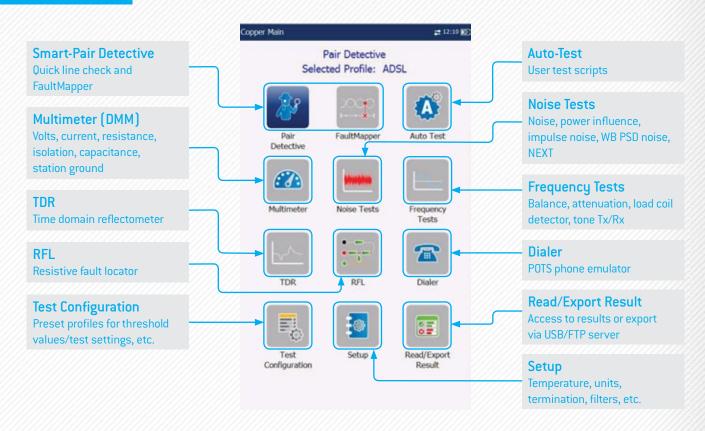
RJ-RJ-RJ Y-Cable



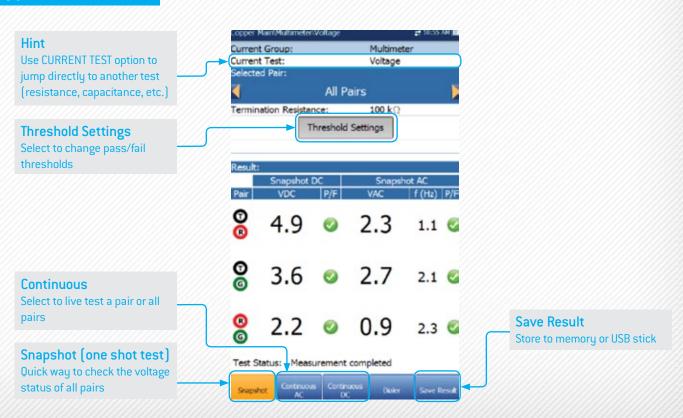
ACC-BD-RJ



Copper Testing



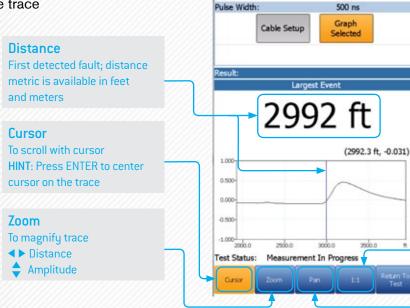
Copper Test Results



The MaxTester 635

TDR

- > Launched in AUTO mode
- All ranges scanned and first fault highlighted
- Choose GRAPH SELECTED to navigate trace



Current Test:

Range:

Gain:

Range Manual selection of the measurement range

€ #1138 AM **30**0

1000, 5000 ft

30 dB

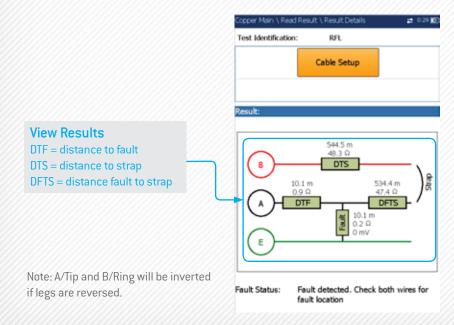
1:1
Restore trace to original aspect ratio

Pan

Move trace up/down/left/right
using cursor keys

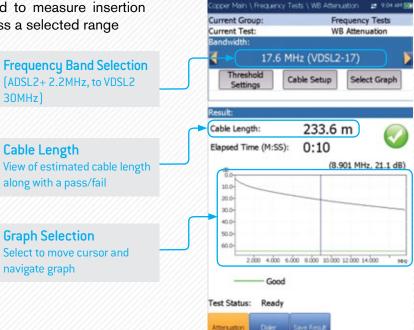
RFL

- > Fault location (Earth/ground contact or battery contact)
- > Strap connection (hard loop) at far end



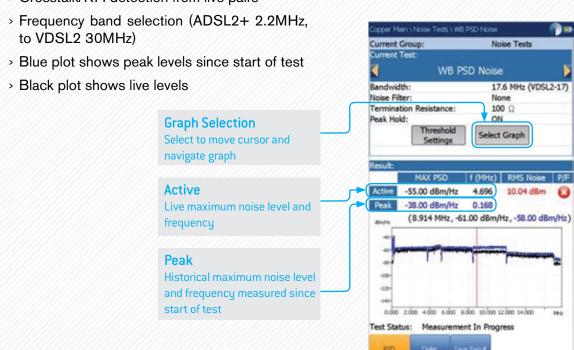
WB SE Attenuation

 Unique technique used to measure insertion loss (attenuation) across a selected range



WB PSD Noise

> Crosstalk/RFI detection from live pairs



DSL Test Cords



WAN port RJ11 (DSL):



V2XAA MODEL (ANNEX A)		V2XAB MODEL (ANNEX A AND B)	
Black and Red (marked A/T, B/R)	Blue and Yellow (marked A1/T1, B1/R1)	Black and Red (marked A/T, B/R)	Blue and Yellow (marked A1/T1, B1/R1)
PIN 3-4 (RED) used for: ADSL2+/VDSL2 single pair operation	PIN 2-5 (GREEN) used for: Pair 2 bonded circuit	PIN 3-4 (RED) used for: ADSL2+ Annex B/VDSL2 single pair operation	PIN 2-5 (GREEN) used for: ADSL2+ Annex A/VDSL2 single pair operation
Pair 1 of bonded circuit		• Pair 1 of VDSL2 bonded circuit	Pair 2 of VDSL2 bonded circuit

Connect to:

- > DSLAM Pair 2 (V2XAA)
- > DSLAM Annex A or Pair 2 (V2XAB)



Connect to WAN (DSL) port of Max-635

Connect to: > DSLAM Pair 1

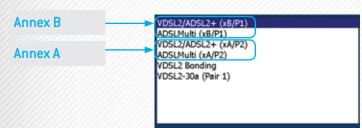
Test Profile Configuration

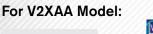
> In the SELECTED PROFILE window, select xDSL TEST SETUP

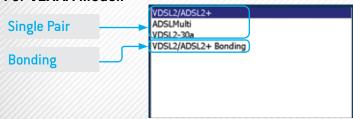
Test Interface

Select and click the approprate test

For V2XAB Model:



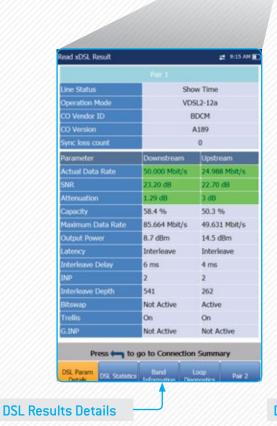


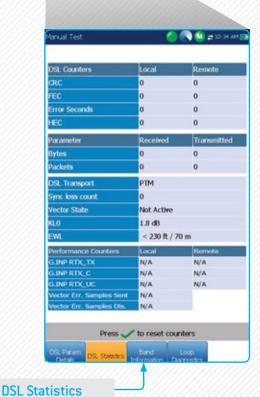




DSL Summary Results Screen







The MaxTester 635

DSL Bits/Bin

Band Information

Illustrates the bits per bin. Move cursor across to the specific carrier (frequency) to view the corresponding bins.



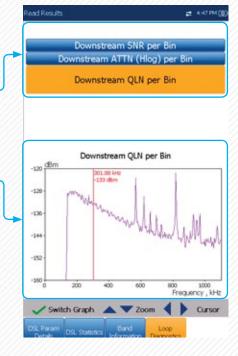
DSL Loop Diagnostics

Press up/down key to select:

- > SNR per bin graph
- > Hlog (or attenuation) per bin
- > QLN per bin graph

Loop Diagnostics

Move cursor across to the specific frequency to view the corresponding value.



EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.com

EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.



