



WireXpert Fiber Testing

Tier 1 Fiber Certification

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Agenda

- Tier 1 Testing
- Competitive Advantage
- Demo





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Tier 1 Testing



Fiber Testing

Tier 1 Certification

- **Loss and Length measurements**
- **Certification as per ISO/IEC 14763-3 & TIA 568 C.3**
- **8 secs AutoTest**
- **Complies to Encircled Flux requirement**

Test Limits

Test Limit

- ✓ TIA 568 C.3
- ✓ ISO/IEC 14763-3
- ✓ Link Validation

Set Reference Method

- ✓ 1 Jumper Method
- ✓ 2 Jumper Method
- ✓ 3 Jumper Method



Fiber Adapter

- Single Mode
- Dual Wavelength
 - 1310nm
 - 1550nm
- SC Connector Interface
- 24 dB Dynamic Range
- Length Measurement : 0-20km



Fiber Adapter

- Multi Mode
- Dual Wavelength
 - 850 nm VCSEL
 - 1300 nm LED
- SC Connector Interface
- 24 dB Dynamic Range
- Length Measurement : 0-2000m

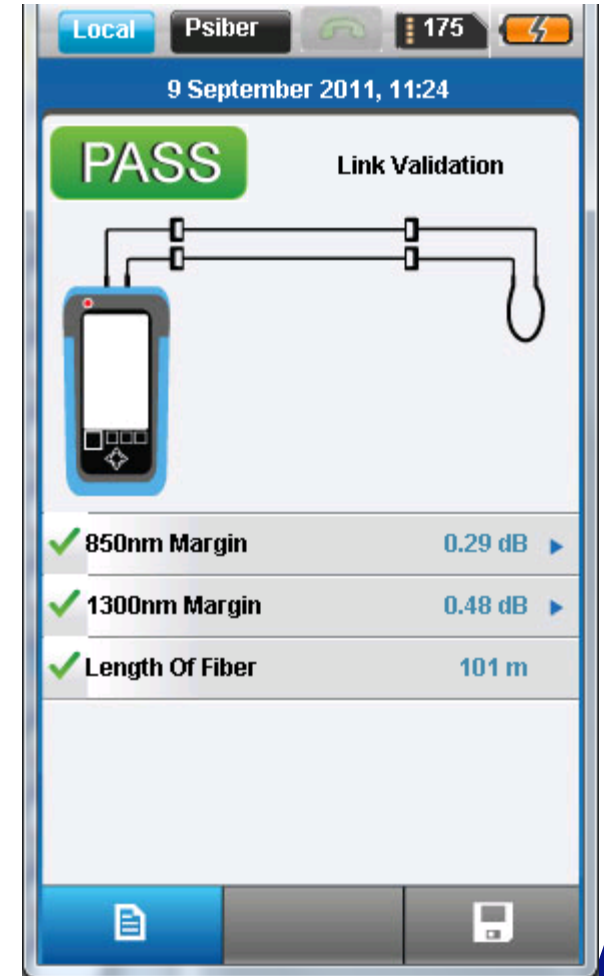
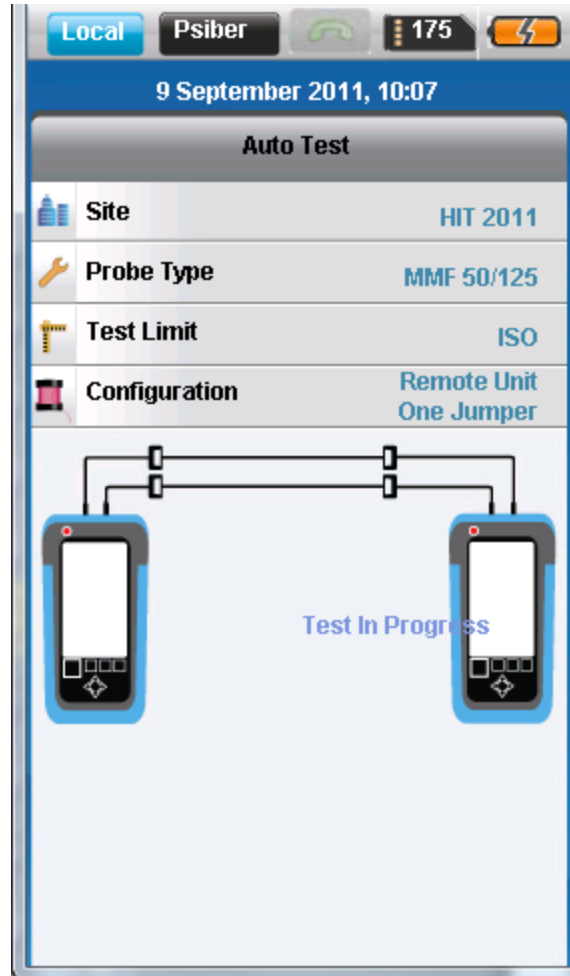
Test Configuration

- Test Method
 - Single Directional
 - Bi-Directional

- Remote Configuration
 - Remote Loopback (Single Ended Test)
 - Remote Device (Dual Ended Test)

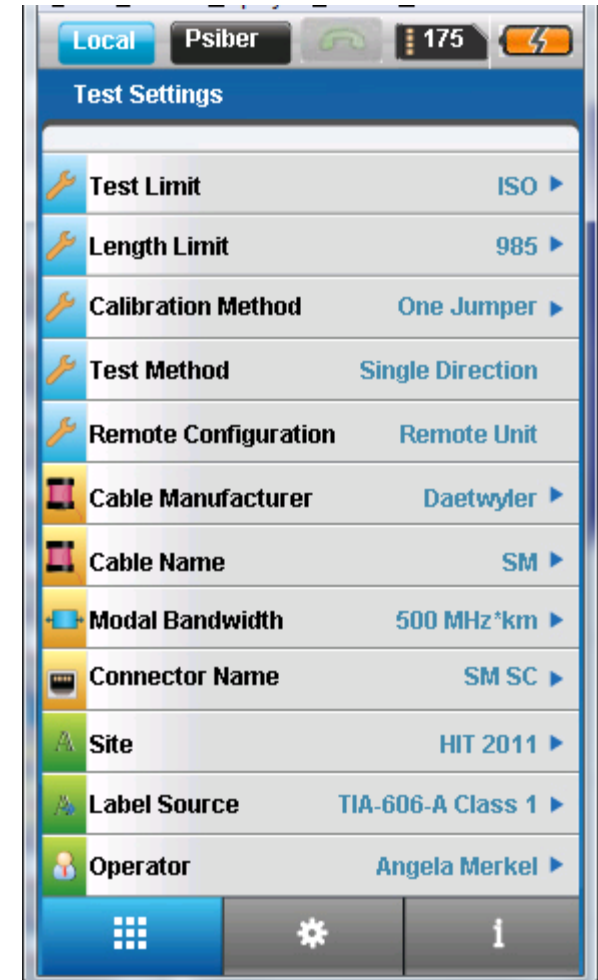
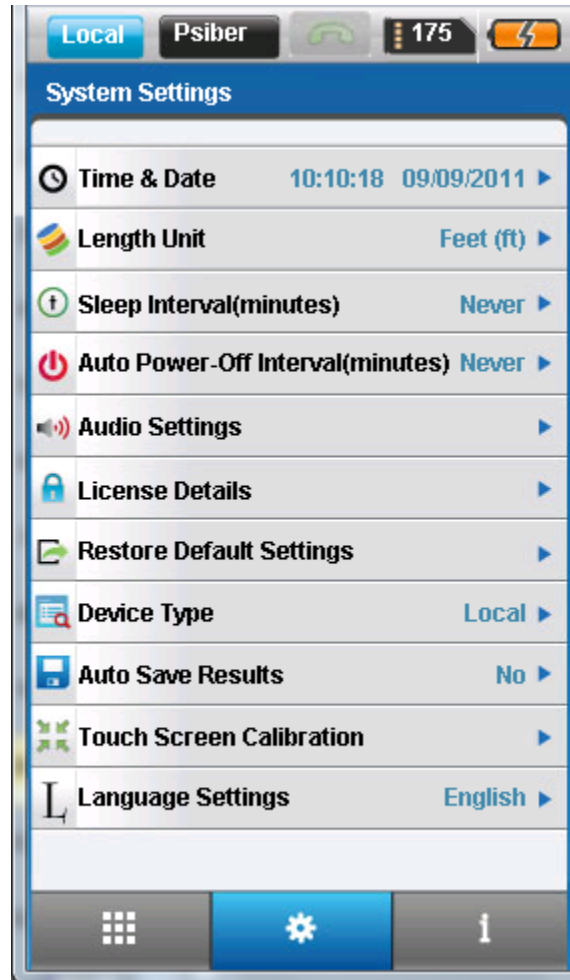
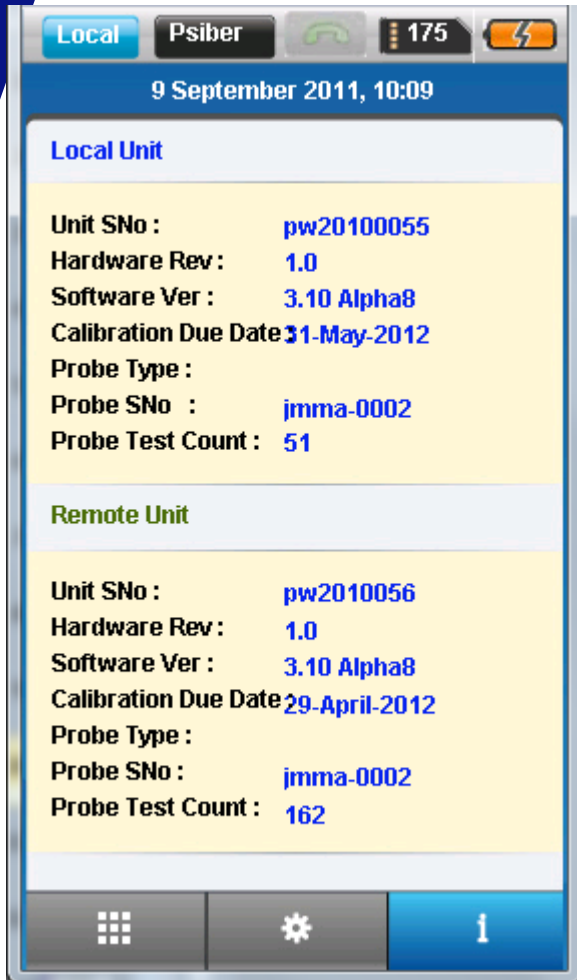


Fiber User Interface

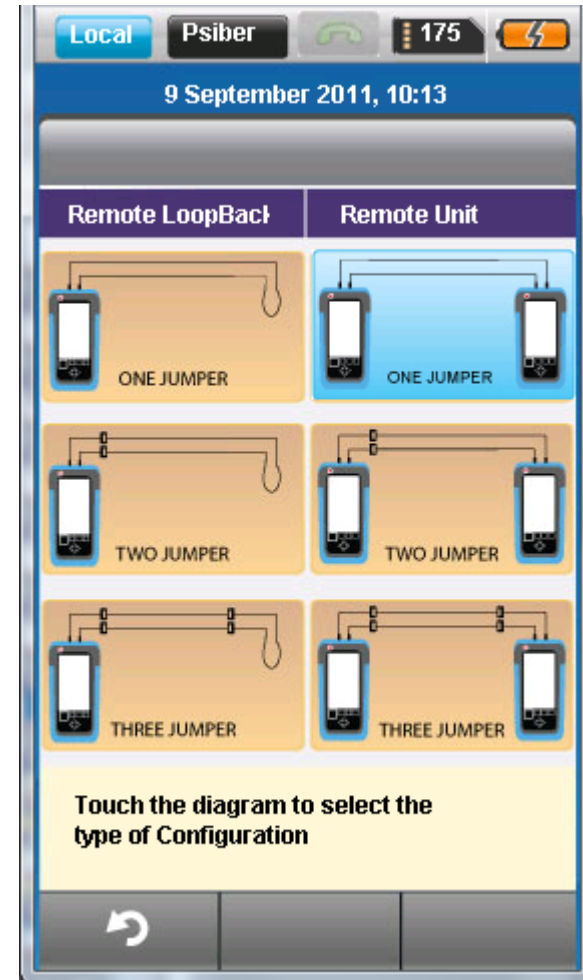
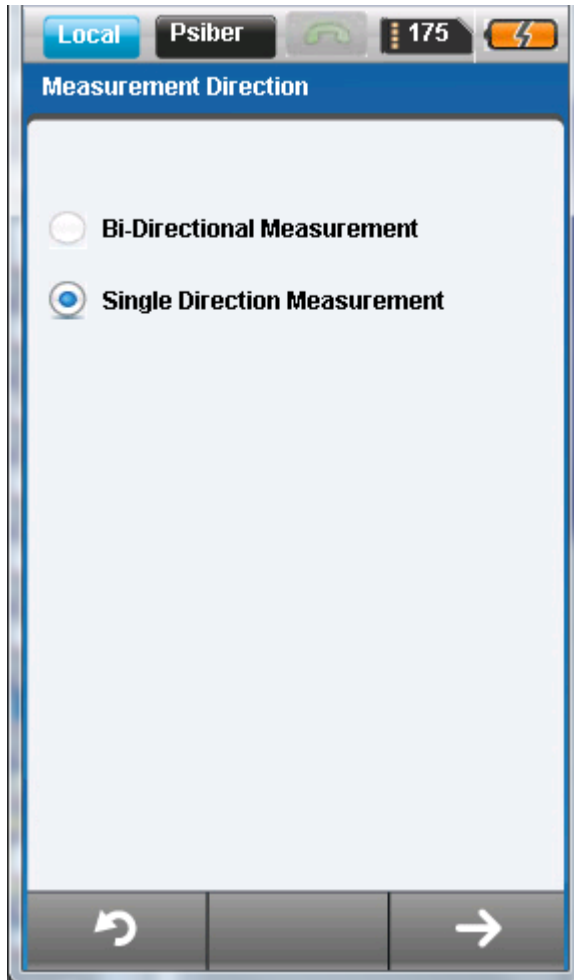




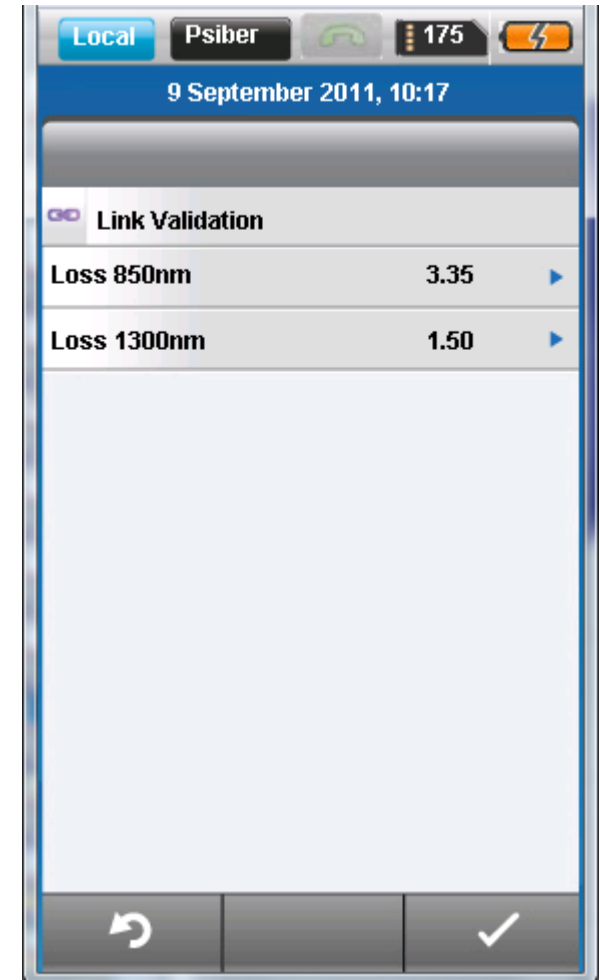
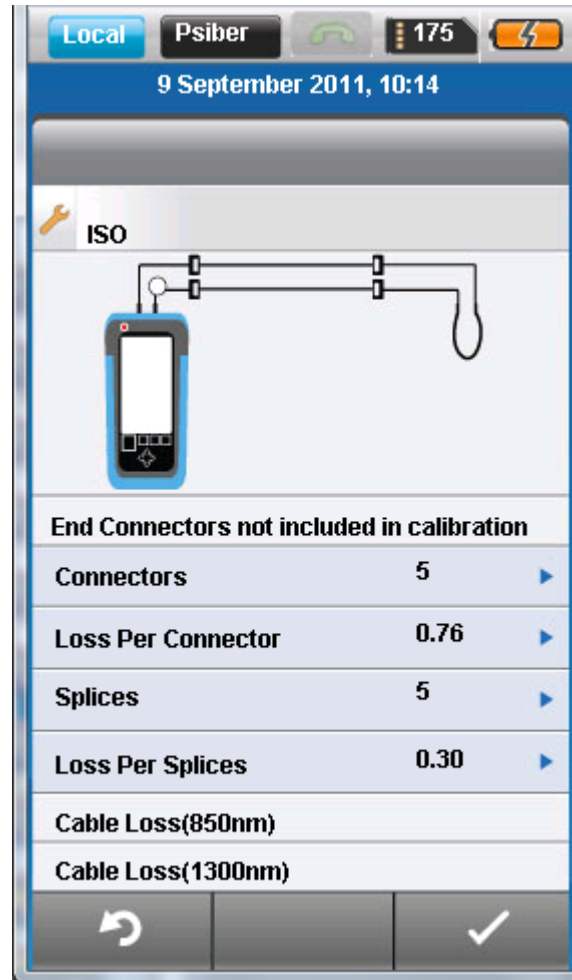
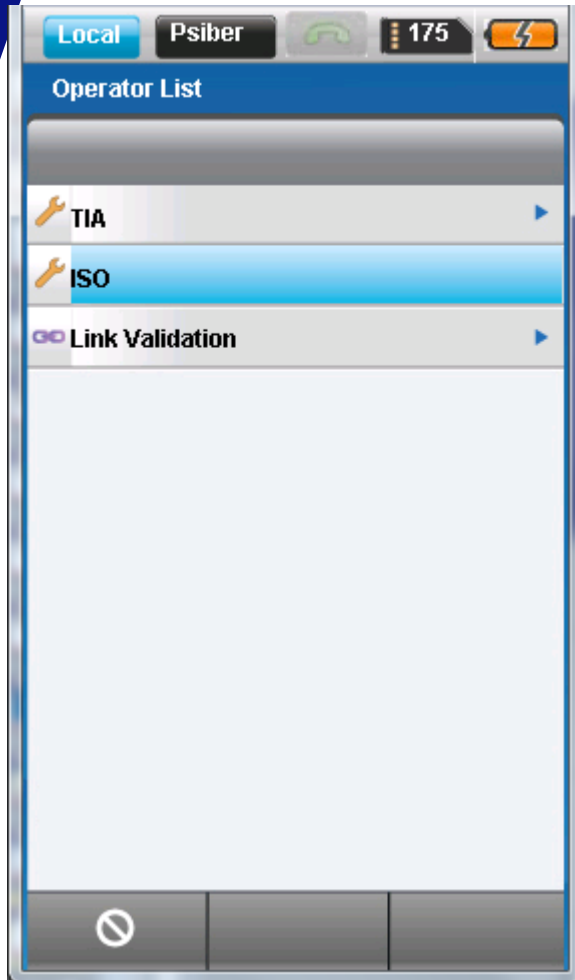
Fiber Settings Interface



Fiber Set Reference



Fiber Test Limits





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Summary



WireXpert at a Glance

Fastest Handheld Copper and Fiber Testing for up to 40 Gbit/s Ethernet Networks

- Cat 6_A/ Class E_A, Cat 7_A/ Class F_A certification
- Multi-/Single Mode fiber certification for length & loss
- Future-proof through 1...1600 MHz frequency range and software upgradeability
- Supports all current standards such as ISO 11801, EN50173, TIA 568
- Exceeds TIA Level IV accuracy specifications, sets new standard for proposed “Level V”
- Dual Control System (DCS) with two main units improves operator efficiency
- User friendly with vendor managed cable database, pre-defined settings and a workday of battery life
- Supports autotest and continuous measurement
- Semi automated software upgrade



Fiber Adapters – What is in the Boxes

Bill of Material Fiber Adapters WX_AD_MM2

- 2 pcs. WX4500 Multi Mode Fiber adapter pair with 850 nm VCSEL and 1300 nm LED Source
- 2 pcs. Mandrels
- 2 pcs. MM duplex reference test cords
- Opt. Encircled Flux Adapter

Bill of Material Fiber Adapters WX_AD_SM2

- 2 pcs. WX4500 Single Mode Fiber adapter s with 1310 nm and 1300 Laser Sources
- 2 pcs. SM duplex reference test cords

