

7310 Lector



boosting wireless efficiency

Easily managing complex measurements

Willtek's 7310 Lector is an economical solution for service centres and repair shops testing returned mobile phones. Running on a PC, Lector provides an easy-to-use interface to the 3100 Mobile Fault Finder and the 4400 Series Mobile Phone Testers.

Automated test sequences

Testing the functionality of a wireless device in the repair shop or at the point of return does not require highly qualified test engineers: Standard test sequences are easily run, and result in a simple Pass/Fail statement. A test protocol for more detailed results can be viewed or printed on request, e.g. to forward it to a repair technician. Lector supports full functional testing by shop personnel!

Lector can be used in conjunction with Willtek's 4400 Mobile Phone Tester Series or the 3100 Mobile Fault Finder, the 4916 Antenna Coupler and the 4921 RF Shield. A PC running Microsoft Windows and Willtek's Lector can control the respective tester.

In most cases, the software takes the power attenuation between the antenna coupler and the tester into account in the measurement results: Lector usually identifies the type of mobile phone, thanks to a built-in database which is frequently being updated on Willtek's website.

The built-in test sequences support all the leading cellular technologies: WCDMA, GSM, EDGE and CDMA. Predefined parameters such as channels to test allow the operator to start testing immediately, but can be customised from within Lector. An optional password protection can secure the parameters from unauthorised access.

Test customisation

Not only can individual parameters be modified but also complete test sequences. Lector uses a modern BASIC dialect already known from the 4400 Mobile Phone Tester Series. The standard tests are well-documented and can be adapted to individual needs with the help of a standard text editor. Lector and the factory-installed test sequences leave room for inclusion of remote control commands for the wireless device and other test equipment through various interfaces.

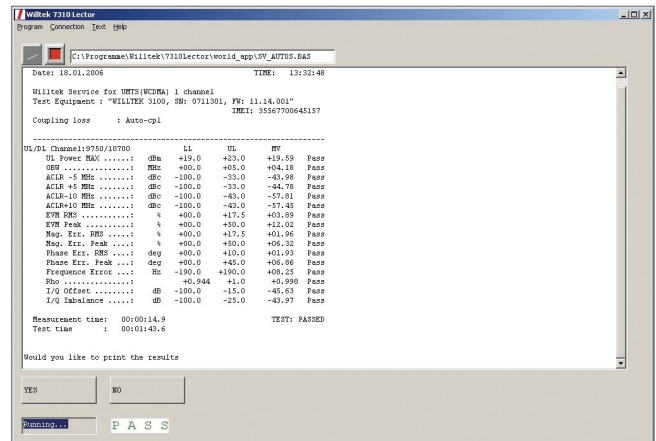


Figure 1: The simple Pass/Fail verdict is complemented by exact measurement results

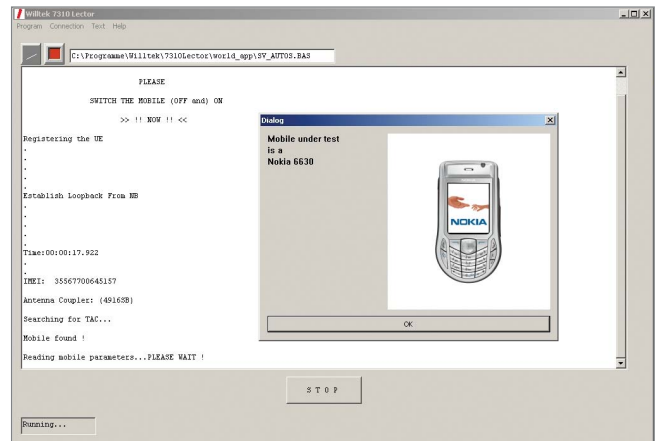


Figure 2: Lector recognises most types of mobile phones

Home at any repair shop

With Lector, Willtek builds on many years of experience in the design of easy-to-use instruments and PC control software. Many operators, shops and repair centres already enjoy similar products such as the RAPID! Mobile/Carrier Test Software and are positive about how Willtek's user interface software gives them a competitive edge. Lector and related products from Willtek reduce the complexities of testing modern cellular technologies to a simple Pass/Fail, with a clear indication of the potential source of a problem if any. ISO 9000-certified service centres can trace the test conditions and equipment used for measurements with Lector.

Supported connections

- TCP/IP
- GPIB
- USB
- RS-232

PC minimum requirements

- Windows NT, 2000 or XP
- 60 MB free hard disk space
- CD drive
- RS-232 or USB connection
(for initial 3100 Mobile Fault Finder setup)
- Screen size: 1024 by 768 pixels

Functions

- WCDMA, GSM, EDGE, CDMA tests
- Supports RAPID! scripts
- Printing and storage of results
 - on the local PC or a server in the network
 - automatically or on request
- User definable coupling settings
- Channel configuration
- Automatic coupling loss calculation for phones which are not in database
- Password protected configuration area

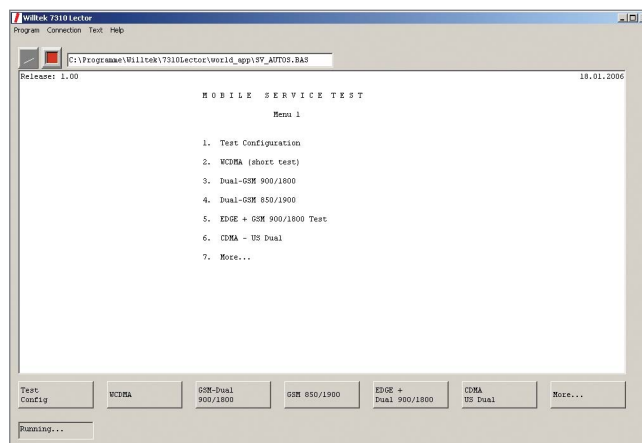


Figure 3: The predefined buttons allow the user to select between different technologies, but can be reprogrammed for different purposes

Ordering number

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M 897 289

One license is included in the standard delivery of the 3100 Mobile Fault Finder

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