

THE EVOLUTION OF TEST SETS IN TELECOM HISTORY

78,651,817
broadband Internet
subscribers in the U.S.



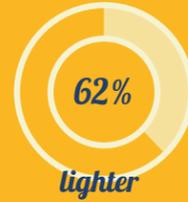
Global landlines estimated at
1.18 billion.



2012

Fluke Networks launches **TS54 TDR** telephone test set, with TDR and Toner functionality.

3 tools in **1** make it



Integrated TDR and toner allow technicians to test today's

voice, data and video telecommunication systems

3-year warranty

2000

The High Speed Data Era Emerges

First field tests for HDTV completed.

1994

Test sets incorporate data detection.

ADSL standard created - spawns ability to transmit close to **100 Mbps of data.**

1996



The World Wide Web is born.

1992

Fax machines become popular.

1985

1985

The Data Transmission Era Begins

Linemen begin test for dial-tone, pulse & tone dialing and polarity.

1970s

U.S. telephones total **80,969,000.**

= 10 Million telephones



Rotary test sets emerge for line verification testing.

1963

1969

The Internet launches.

1941

The first touch tone phone is introduced to the American market.

1930s

1928

Herbert Hoover becomes the first president with a telephone on his desk.

12,999,369 miles of telephone wire exist in the U.S.

1909



1900

The first test sets are created to service POTS.

1900

POTS (Plain Old Telephone Service) Era Begins

More than **6,000** independent telephone companies form in the United States.

= 1000 telephone companies



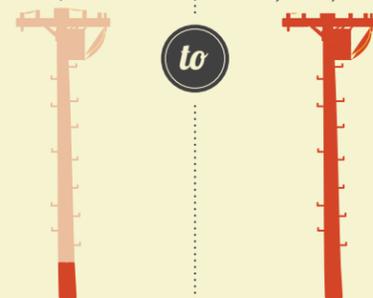
1894-1904

number of telephones increases from

285,000

to

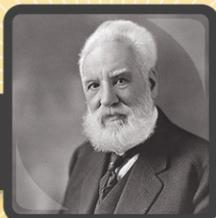
3,317,000



Commercial telephone service begins in the U.S.

1877

Alexander Bell creates the "talking telegraph"-- a telephone.



1876

1840s

The Lineman Profession Begins to Service the Telegraph

Fluke Networks is the **world-leading provider** of network test and monitoring solutions to speed the deployment and **improve the performance** of networks and applications. For more information on the TS54 TDR telephone test set, please visit www.flukenetworks.com/ts54

<http://oc.ebid.net/for-sale/western-electric-a-linemens-telephone-butt-test-set-59838171.htm>
<http://www.plunkettresearch.com/telecommunications-market-research/>
<http://www.dailywireless.org/2012/03/19/broadband-penetration-stats/>
<http://www.webbconsult.com/1970.html>
<http://www.islandregister.com/phones/museum.html>
<http://www.cclab.com/billhist.htm>
<http://www.telcomhistory.org/index.shtml>