Being First and Best is Everything

ACHIEVE BOTH WITH KEYSIGHT
Keysight Helps You Get to Market Faster

WE HELP YOU CREATE. INNOVATE. AND DELIVER WHAT’S NEXT.

The innovation leader in electronic design and test for over 80 years

Founded in 1939 by Bill Hewlett and Dave Packard as HP with an ongoing mission to help create new markets

Trusted hardware, innovative software and a global network of experts
Everywhere the Electronic Signal Goes, Keysight is There

TO HELP YOU DESIGN, TEST, MANUFACTURE AND OPTIMIZE

- Multi-standard smartphones, tablets, IoT devices
- Networks and cloud environments
- Connected cars
- Clean energy
- Semiconductors
- Aerospace, Defense, and Government
- General electronics
We Are at the Heart of the Digital Revolution

SMART TECHNOLOGY CONNECTS THE WORLD

INNOVATION IS EVERYWHERE

✓ Devices ✓ Infrastructure
✓ Cities ✓ Defense
✓ Vehicles ✓ Wearables

ACCELERATING INNOVATION TO CONNECT AND SECURE THE WORLD
Market Leader with 80+ Years of Expertise

- 80+ years of innovation, measurement science expertise
- 1700+ US and foreign patents issued or pending
- 29 of the Top 30 Tech companies use Keysight
- $4.3B in revenue
- 12+ market-ready 5G new radio solutions available
- 78 of the Global 100 companies are Keysight customers
# Keysight at a Glance

<table>
<thead>
<tr>
<th>REVENUE IN FY19</th>
<th>$4.3 billion (~63% from outside U.S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMPLOYEES</td>
<td>~13,600</td>
</tr>
<tr>
<td>PRESIDENT and CEO</td>
<td>Ron Nersesian</td>
</tr>
<tr>
<td>GLOBAL HEADQUARTERS</td>
<td>Santa Rosa, California</td>
</tr>
<tr>
<td>CUSTOMER LOCATIONS</td>
<td>100+ countries</td>
</tr>
<tr>
<td>MANUFACTURING AND</td>
<td>U.S., Europe, Asia Pacific</td>
</tr>
<tr>
<td>R&amp;D LOCATIONS</td>
<td></td>
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<tr>
<td>NYSE</td>
<td>KEYS</td>
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</tbody>
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A Brief History of Keysight

1939–1998: Hewlett-Packard years
A company founded on electronic measurement innovation

1999–2013: Agilent Technologies years
Spun off from HP, Agilent became the World’s Premier Measurement Company
In September 2013, it announced the spinoff of its electronic measurement business

2014+: Keysight years
On November 1, Keysight became an independent company focused on the electronic measurement industry
Keysight Provides Insight Across the Entire Stack

5G Technology Impact

- Chipsets
- Devices
- Network Access
- Core Network
- Data Centers

Communications “Stack Layers”

- Layers 4-7
- Layers 2-3
- Layer 1

Increasing Software Content

Electrical, RF and Optical Test

Channel Emulation

Mobile Device Test

Base Station Emulation

Drive Test

Mobile Device Emulation

Mobile Network Test

Customer Experience Management

Network and Application Testing, Visibility and Security

Keysight

Anite Acquisition

Ixia Acquisition

Prisma Acquisition
Keysight Industry Segments

Communications

Network Test, Visibility, Security

Electronic Industrial
We Help You Unlock Insights to Succeed

Communications
Expertise in precision measurement across the broadest frequency ranges and modulations
We help customers develop emerging forms of connections

Network Test, Visibility, Security
Expertise in large-scale traffic and security attack simulation combined with data access into operations
We provide customers trusted environments to develop, deploy, and operate their networks

Electronic Industrial
Expertise in high density electronics of all sizes and power levels
We help customers from design, verification and manufacturing to installation and maintenance

Services
Expertise in helping customers extract the best from their test environments
We help customers find ways to maximize asset usage, streamline engineering operations and reduce risk
Over 20,000 test scripts from 2G to 5G

Collaborations with chipsets providers, operators, and NEMs

#1 IN WIRELESS COMMUNICATIONS
Most comprehensive visibility support

First SaaS-based visibility as a service offering

#1 IN CLOUD & DATA CENTER

Public/Private Cloud visibility support
Over 70 Solutions

LEADER IN AUTOMOTIVE & ENERGY

R&D Centers in Germany, Detroit Bay Area, China, and Japan
Best-in-Class Solutions

ACROSS DESIGN, TEST, AND OPTIMIZATION

#1 Simulation Software
#1 Ixia Network Test
#2 Ixia Network Visibility
#1 Network Analyzers

Core Solution Platforms & Market Position

#1 Signal Analyzers
#1 Signal Sources
#2 Oscilloscopes
KeysightCare

COMPLETE CUSTOMER CARE, BEYOND BASIC WARRANTY

Cloud-based Customer Portal

Dedicated Resources with Committed Response Times

Proactive Software Updates

Equipment Configuration Management
Be Prepared for Remarkable Results

Keysight experts have:

• Helped a laptop manufacturer reduce defects by 69%, work in progress by 70% and cycle time by 84%

• Partnered with an electromechanical control systems manufacturer to reduce test software engineering by 35% and hardware costs by 60%

• Enabled a medical equipment manufacturer to reduce product introduction time by 65% while using 49% fewer process steps
World-class applied research driving tomorrow’s innovations

- Ph.D. researchers including multiple IEEE Fellows creating new measurement IP to address emerging customer needs
- ASIC design center and proprietary fabrication facility
- Technology centers for MMICs, optical components, and microelectronic packaging

Aligned to development teams to accelerate customer solutions
Ixia Application and Threat Intelligence Research Center

THE FRONT LINE FOR ACTIONABLE CYBERSECURITY INTELLIGENCE

Founded in 2005, built and maintained by world-renowned elite cybersecurity researchers

• Global team of application protocol engineers and cybersecurity researchers
• Trusted resource in defining efficacy of network security defenses
• Built for agility to provide Ixia products with continuous updates

Protecting Ixia’s customers from known and emerging threats
A Recognized Industry Leader

Test & Measurement Company of the Year

AresONE-400GE Test System

Gold: New Products & Services – Nemo IoT Meter v1

Global Radio Frequency Test & Measurement Market Leadership Award

CloudLens – Product of the Year

Ixia - Hot Company Cloud Security & Leader Enterprise Security

#21 on the 2018 Forbes JUST 100 Companies

Cyber Security Vendor Achievement of the Year

Global Technology Innovation Award NB-IoT Massive UE Emulation Test System

Best Security Hardware Product - Vision ONE with Active SSL
Around the World We’re Ready to Help You Change It

150 locations
Conducting business in more than 100 countries
12,900 employees
ASIC design center and proprietary fabrication facility
Technology centers for MMICs, optical components and microelectronic packaging

Over 1,700 patents
>4,000 products
R&D centers in 15 countries around the world
40 service hubs
Keysight’s Formula for Value Creation

Keysight’s Leadership Model

is the company’s enabler to continuously deliver greater value to customers, shareholders, and employees. It is the philosophy that permeates every aspect of our operations — driving innovation, speed, and excellence in execution.
Building a Better Planet for the Next Generation

• Nurturing the next generation of engineers
• Neighbors helping out neighbors: volunteering, education, disaster relief
• A global, corporate responsibility framework for ethical, environmentally-sustainable, and socially-responsible operations
Be First and Best. With Keysight.

Product and Technology Leadership
Measure today’s and tomorrow’s most complex signals with leading-edge performance

A Strong Software Franchise
Accelerate development with end-to-end design simulation software and hundreds of measurement applications

A Comprehensive Set of Services and Solutions
Achieve remarkable results with industry and custom solutions, test process and operations optimization