TECHNOLOGY

ONICE

O-NICE Test and Measurement Business Introduction

Jan 2023

O-NICE TECHNOLOGY CO., LIMITED established in 2010 in Shenzhen, China, providing services such as sales, leasing and maintenance of test solutions and instruments for various R&D and production customers.

O-NICE is always following the corporate philosophy of "Serving customers with heart". We have many years of industry service experience, perfect marketing network, rich product resources and professional technology solutions. Our customer group has covered all areas of the communications industry.

Main Business

Sales

Rent/Leasing

Post-sales service

Industry Scope

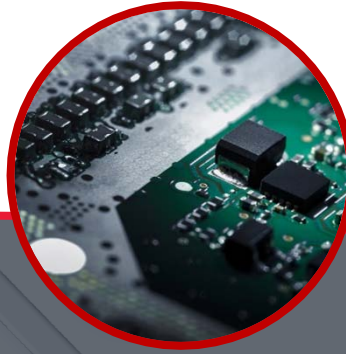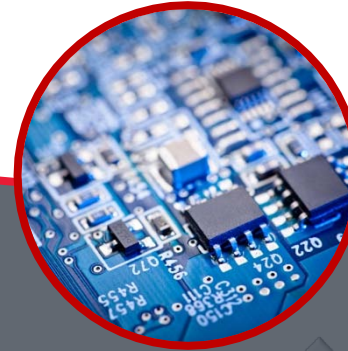**Automotive/ New Energy**

RF/mmWave

Wireless

PCB/LCR

Semicon/IC

Internet

Capabilities

One-stop Service:

Instruments sales(including used equipments), rental and post-sales service to meet customers diversified test demands

Professional People:

20+ Sales

5+ FAEs with average 10 years knowledge

Industry-leading Stocks:

500+ instruments assets

20+ international T&M brands

Worldwide Coverage:

Mainland China, the United States, Europe, India, Russia, Brazil, South Africa, Japan, South Korea, and more

Major Suppliers

Product List

ONCE

RF/Microwave Test

- Signal Generator
- GNSS Simulator
- Signal Analyzer
- Phase Noise Analyzer and VCO analyzer
- Network Analyzer
- Mechanical and Electronic calibration
- Power Meter and Sensor

Wireless Com-munication Test

- Signaling Tester
- Non Signaling Tester

Digital Test

- Oscilloscope
- Bit Error Rate Tester(BERT)
- Arbitrary Waveform Generator
- High speed digital bus testing fixture
- Protocol Analyzer
- Logic Analyzer

Optical Com-munication Test

- Sampling Oscilloscope
- CDR Clock Recovery

Semiconductor Test

- Semiconductor Analyzer
- Source Meter Unit(SMU)

Universal Test

- Multi-meter
- Power Supply & Electronic Load
- Function Generator
- RF Devices & Accessories

Signal Generator

ROHDE & SCHWARZ
SMW200A

Vector Signal Generator
● 100 kHz to 3 GHz, 6 GHz, 12.75 GHz, 20 GHz, 31.8 GHz or 40 GHz ;
● Internal baseband up to 2 GHz I/Q modulation bandwidth for 4th and 5th generation standards (5G, LTE Advanced and IEEE 802.11ac/ad

KEYSIGHT
E8257D

● Wide frequency range: 13, 20, 31.8, 40, 50, and 67 GHz models available (1.1 THz with frequency extender)
● Test high-power devices and overcome test system losses with options capable of generating up to 1 W (+30 dBm) of output power
● Get extremely low phase noise: −91 dBc/Hz at 100 Hz offset and −126 dBc/Hz at 10 kHz offset (10 GHz), to address Doppler radar, ADC and receiver-blocking tests
● Characterize devices and circuits by adding AM, FM, PM and pulse modulation to your signal

Spectrum Analyzer

ROHDE & SCHWARZ
FSW8/ FSW13/FSW26/FSW43/FSW50

- Unparalleled low phase noise and best sensitivity on the market
- Max.8.3 GHz internal analysis bandwidth
- Max.800 MHz real-time analysis bandwidth
- SCPI recorder simplifies code generation
- High dynamic range enables outstanding EVM performance

KEYSIGHT
N9030B PXA Signal Analyzer

- Analyze more with a wide frequency range of 2 Hz to 50 GHz with up to 510 MHz analysis bandwidth
- See small signals in the presence of large ones with up to 75 dB of spurious-free dynamic range (SFDR)
- Extend the frequency up to 110 GHz with Keysight smart mixers
- Record, analyze, and simulate real-world scenarios with gap-free streaming up to 255 MHz
- Capture transient or intermittent signals with optional real-time spectrum analysis capabilities

Network Analyzer

ROHDE & SCHWARZ
ZNB

● Frequency range from 9 kHz to 4.5/8.5 GHz and 100 kHz to 20/26.5/40/43.5 GHz;
● Two or four ports
● Wide dynamic range of up to 140 dB
● Short sweep times of 4 ms for 401 points
● Wide power sweep range of 98 dB

KEYSIGHT
N5242B/44B/45B/47B PNA-X Microwave Network Analyzer

● 900HZ/10 MHz to 26.5 /43.5/50/67GHz,
● 2 and 4 ports, one or two sources, up to three sources
● a dynamic range of 124 dB to 129dB
● high source output power ranging from +13 dBm at 1 GHz to +11 dBm at 67 GHz
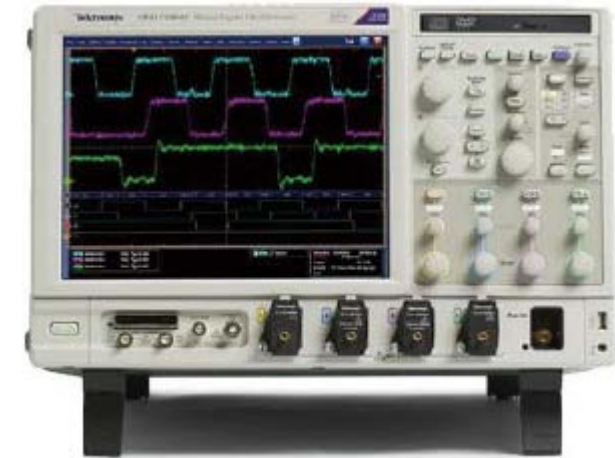
Oscilloscope

KEYSIGHT
UXR0594A/0504A/0334A

UXR0594A: 59 GHz, 4 channel, Infiniium UXR-Series real-time oscilloscope
UXR0504A: 50 GHz, 4 channel, Infiniium UXR-Series real-time oscilloscope
 UXR0334A: 33 GHz, 4 channel, Infiniium UXR-Series real-time oscilloscope.

KEYSIGHT
3000TX series
DSOX3104T

DSOX3104T:1 GHz oscilloscope provides 4 analog channels, 4 Mpts memory, 1,000,000 waveforms/sec update rate and standard touch zone trigger with an 8.5-in capacitive touch screen.

TEKTRONIX
MSO/DPO70000DX Mixed Signal/Digital Phosphor Oscilloscopes

MSO70000 series is one of the most advanced oscilloscopes in its class, perfect for analog/digital design and debug, data communications and high-speed serial communications.
- Bandwidth: **8** GHz -**33** GHz
- Record length: up to **1G** points
- Channels: **4** analog, **16** digital (MSO)
- Sample rate: up to **100** Gs/s

Wireless communication tester

ROHDE & SCHWARZ
CMW500

● Multi-RAT signaling: LTE, WCDMA, GSM, WLAN, Bluetooth
● LTE-Advanced: 8DL CC up to 4x4/8x2 MIMO fading, 2 UL CA
● WLAN 11 a / b / g / n / ac / ax SISO and MIMO signaling test
● Internal server for application testing

ROHDE & SCHWARZ
CMW100

● Continuous frequency range up to 6 GHz and RF bandwidth up to 160 MHz
● Parallel testing on up to eight bidirectional RF ports
● Wide range of methods to reduce test time and maximize capacity utilization
● High measurement performance – high measurement accuracy
● Fanless for silent operation – highest reliability due to dustproof housing

BERT system

KEYSIGHT
M8040A

- Data rates from 2 to 64 GBaud PAM4 signal
- True PAM4 error detection in real-time up to 58 GBaud
- Built-in de-emphasis, analyzer equalization, and clock recovery
- Integrated and calibrated jitter injection: RJ, PJ1, PJ2, SJ, BUJ, and clk / 2 jitter
- Two pattern generator channels per module to emulate aggressor lane
- Interactive link training and SKP OS filtering for 8 / 16 / 32 / 64 GT/s PCI Express®
- Algorithmic PRBS, QPRBS, and memory-based patterns, pattern sequencer
- For PAM4, gray coding, FEC encoding, and precoder and error distribution analysi

ANRITSU
MP1900A

MP1900A series is an 8-slot modular, high-performance BERT supporting all-in-one Physical layer measurements of both high-speed network interfaces as NRZ and PAM4, and PCI Express/USB, bus interface

Arbitrary Waveform Generator

KEYSIGHT
M8195A

- High-speed AWG with up to 65 GSa/s sample rate and 25 GHz bandwidth on up to 4 channels per module
- 8-bit vertical resolution
- Produce NRZ, PAM4, PAM8, DMT, etc. signals at up to 32 GBaud
- Support protocols such as HDMI™, C-PHY™ and D-PHY™
- Embed / de-embed channels, add jitter, ISI, noise, and other distortions
- Supply any mathematically defined arbitrary waveforms, ultra-short yet precise pulses, and extremely wideband chirps
- Enable up to 1 Vpp(se) or 2 Vpp(diff) output amplitude

KEYSIGHT
M8190A

- 14-bit resolution up to 8 GSa/s
- 12-bit resolution up to 12 GSa/s
- Variable sample rate from 125 MSa/s to 8 / 12 GSa/s
- Up to 90 dBc SFDR
- 2 GSa memory per channel
- 5 GHz analog bandwidth
- Radar, Satellite, Electronic Warfare, Multilevel Signals
- ADC testing (Analog Digital Converter testing), Jitter Margin Testing
- Digital Video, Noise Power Ratio Measurement, Wireless HD, HDMI, MHL
- IEEE 802.11ad, CaTV, OFDM, Software Defined Radio

TEKTRONIX
AWG70000B Series

- Vertical Resolution: 8, 9, or 10 bits
- Analog Bandwidth: Up to 15 GHz
- Output Frequency: 13.5GHz/20 GHz
- Max Sample Rate: 25 GS/s or 50 GS/s
- Record Length: 2 GS,16GS, or 32 GS

Protocol Analyzer

LECROY
Summit Z516 Exerciser

The Summit Z516 is a PCIe 5.0 and CXL protocol traffic generation test tool used for critical test and verification intended to assist engineers in developing and improving the reliability of their systems. The Summit Z516 can emulate PCI Express 5.0 and CXL root complexes or device endpoints, allowing new designs to be tested against corner case issues

LECROY
Summit T516 Analyzer

The Summit T516 is targeted at high-speed PCI Express 5.0 and CXL I/O-based applications such as workstation, desktop, graphics, storage, and network card application

ELLISYS
BEX400

Industry's First All-In-One Wideband BR/EDR and Low Energy sniffer with concurrent capture of Wi-Fi 2x2 802.11 a/b/g/n, 2.4 GHz spectrum, HCI (USB, UART, SPI), WCI-2, logic signals, generic I2C/UART/SPI/SWD, and Audio I2S
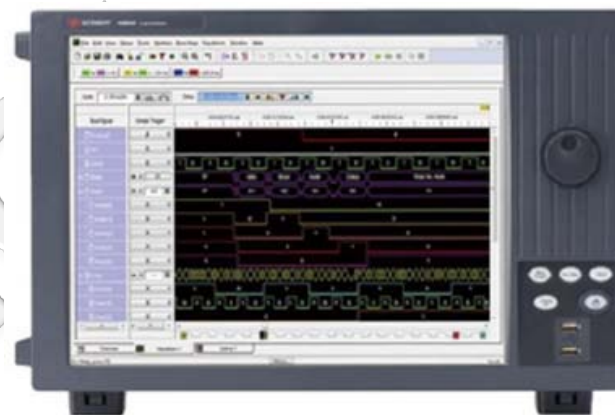
Logic Analyzer

KEYSIGHT
U4164A

● Industry's highest data rate state mode (up to 4 Gb/s)
● Highest deep trace timing mode (up to 10 GHz),
● Deepest memory (up to 400 Mb)
● Enabling validation and debug of DDR4 or LPDDR4 at data rates over 3.5 Gb/s

KEYSIGHT
16861A

● 34 channels, 350 MHz state, 12.5 GHz timing zoom, 2.5 GHz timing, 2 Mb depth standard
● 15-inch (38.1 cm) color, touch-screen display for viewing and quickly navigating large numbers of signals and buses
● Built-in removable SSD drive, USB 3.0 ports, and LAN for fast data transfer and storage of large amounts of data
● 1.4 GHz trigger sequencer to ensure high-speed events are captured

Optical Communication Tester

KEYSIGHT

N1060A 50/85 GHz Precision Waveform Analyzer

A three-slot wide DCA-X module that integrated two 50/85 GHz electrical channels with a clock recovery (CDR) and a precision timebase (PTB) to provide residual jitter as low as 45 fs for more accurate jitter measurements

KEYSIGHT

N1000A DCA-X Wide-Bandwidth Oscilloscope Mainframe

The N1000A DCA-X wide-bandwidth oscilloscope provides accurate and precise measurements on high-speed digital designs from 50 Mb/s to 224 Gb/s. Configure the N1000A DCA-X mainframe by selecting from plug-in modules to match your desired bandwidth, filtering, and sensitivity.

KEYSIGHT

N1092A 28/45 GHz Single Optical Channel DCA-M with Option CDR

● High sensitivity with <5 uW noise
●Fast throughput with high 250 kHz sample rate
● Accurate high data-rate analysis with <200 fs jitter
● Small footprint from compact design
● Unfiltered bandwidth >40 GHz (option 40A)
● Integrated clock recovery available (option CDR)

Semiconductor Analyzer

KEYSIGHT
B1500A

B1500A With B1500A-A02 Standard Pack 2 - High Resolution Package (High Resolution Unit 4ea, Cables), B1500A-030 3m Cable, B1500A-060 60Hz Line Frequency

KEYSIGHT
B1506A

● Wide operation range up to 3 kV/1500 A
● Fully automated fast thermal test from -50 °C to +250 °C
● Automatic power device (semiconductor and component) datasheet creation
● Auto record function to prevent data loss

Universal Tester

KEYSIGHT
34460A/34461A/34465A Digital Multimeter

6.5 digit basic Truevolt DMM with Truevolt technology for greater accuracy and quicker measurement insights

KEYSIGHT
N6705C

The N6705C DC Power Analyzer provides unrivaled productivity gains for sourcing and measuring DC voltage and current into the DUT

KEYSIGHT
N3300

● N3300 Series Modular DC Electronic Load
● Modular flexibility with 16-bit measurements

KEYSIGHT
N6781A/2UA, N6784A/4UA N6785A

N6781A/2UA: 2-Quadrant Source/Measure Unit for Battery Drain Analysis, 20 V, ±1 A or 6 V, ±3 A, 20 W

N6784A/4UA: 4-Quadrant General-Purpose Source/Measure Unit, ±20 V, ±1 A or ±6 V, ±3 A, 20 W

N6785A: Source/Measure Unit for Battery Drain Analysis, Multiple Ranges, 80 W, Double-wide

RF Devices & Accessories

Frequency multiplier

Circulator-Isolator

RF bridge

Coupler

Power Divider

Attenuator

Amplifier

DC Block

Detector

Half rigid and half flexible cable

RF cable

VNA test Cable

Contact Us

Your Trusted T&M Service Provider

📞 +86-755-27212660

✉️ sales@o-nicetech.com

in www.o-nicetech.com

📍 Rm A838, Huameiju CBD Building, Xinhu Rd. Baoan Dist. Shenzhen, China