

testforce

THE SIGNAL

Test and Measurement

Top Trending
Products in
2019 / 2020



Vol.4

Tektronix

6 Series MSO

1 GHz – 8 GHz 12-Bit Oscilloscopes

- 25 GS/s Sampling rate and 62.5 M to 250 M points of memory per channel
- 4 flex channels, up to 4 analog channels or 32 digital channels
- Lowest input noise enabled by Tek061 front-end ASICs
- 15.6 inch, ultra-responsive touchscreen with gesture control
- Arbitrary waveform generator option
- Advanced measurement suite for jitter, power, trend analysis and high-speed serial data
- Spectrum View included on each Channel



Lowest
Noise Floor

Tektronix

4 Series MSO

200 MHz – 1.5 GHz 12-Bit Mixed Signal Oscilloscopes

- 6.25 GS/s Sampling Rate and 31.25 M to 62.5 M points of memory per channel
- 4 or 6 flex channels, up to 6 analog channels and up to 48 digital channels
- 13.3 inch, HD (1920 x 1080) capacitive touch screen
- Arbitrary waveform generator option
- Optional built-in function generator
- Support for over 20 serial bus protocols
- Spectrum View up to bandwidth of oscilloscope



Tektronix

3 Series MDO

100 MHz – 1 GHz 8-Bit Mixed Domain Oscilloscopes

- Up to 5 GS/s Sampling rate and 10 M points of memory per channel
- 2 or 4 analog channels and up to 16 digital channels
- 11.6 inch, HD (1920 x 1080) capacitive touch screen
- Optional built-in function generator
- Arbitrary waveform generator option
- 1 GHz or 3 GHz dedicated spectrum analyzer
- Wide range of serial bus decoding and triggering options



ROHDE & SCHWARZ FPC1500 Series

Performance, Entry Level Spectrum Analyzers and Vector Network Analyzers

- RF performance engineered in Germany
- 5 kHz to 1/2/3 GHz (field upgradable) spectrum analyzer
- 2 MHz to 1/2/3 GHz 1 port vector network analyzer
- S₁₁ 1 port cable loss and distance to fault, S₂₁ scalar transmission measurement
- 10.1 inch, WXGA (1366 x 768) display – largest and highest resolution in its class
- Tracking generator and independent CW signal source
- Wi-Fi enable, supported by included remote control software



ROHDE & SCHWARZ RTA4000 Series



200 MHz to 1 GHz 10-bit Oscilloscopes

- Up to 2.5 GS/s on 4 CH and 5 GS/s interleaved on 2 CH
- 100 M points of memory per channel or 200 M points interleaved
- 1 Gsample (standard) segmented memory
- 16 digital channels logic analyzer
- 10.1 inch, (1280 x 800) capacitive touch screen
- Waveform and pattern generator
- Up to 2 M waveforms/s refresh update rate
- Spectrum analysis including spectrogram and bode plots

ROHDE & SCHWARZ ZPH Cable Rider Series

Rugged, Portable, Handheld 4 GHz, 2 Port VNA and spectrum analyzers

- Frequency range: 2 MHz to 3/4 GHz
- One Port model features S₁₁ DTF, VSWR, cable loss measurements
- Two port model adds S₂₁ measurements, spectrum and interference analysis
- Ideal for field use: 9-hour battery life, 5.5 lbs
- Large color touchscreen
- Power meter option
- Easy operation with user-configurable test wizard





8800SX

Digital Radio Test Set Service Monitor

- Automated test and alignment procedures for the most popular manufacturers such as Motorola (APX and APX “B”) and Kenwood NXDN
- Full support for mobiles, repeaters and infrastructure testing
- 10 MHz external reference
- Portable, ruggedized for field or bench use
- Digital Modulation Plots: distribution, constellation and eye diagram
- Tracking Generator: VSWR, return loss, DTF, and tuning duplexers
- P25, P25 Phase II, DMR (MOTOTRBO), NXDN, dPMR, ARIB T98, PTC supported
- Internal in-line power meter

Motorola Approved



DAQ Systems

Platform Based, Modular Data Acquisition Systems



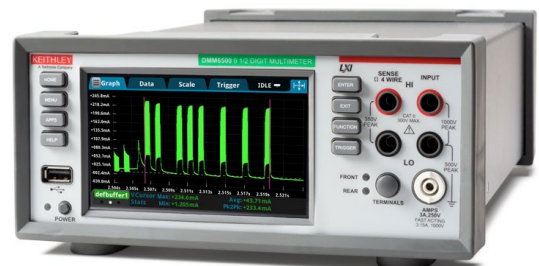
- Stand-alone systems, rugged embedded systems, high performance PXI and PXIe systems
- Large selection of hardware to support, voltage, current, digital, sound, vibration, displacement and temperature measurements
- Software for programming environments, application, add-ons and suites
- Hardware in the loop (HIL) simulators to quickly adapt to test requirement changes
- Industrial, avionics and automotive communication buses simulation and analysis



DAQ6510 System

Data Acquisition and Logging, Multimeter System

- Full featured 6.5 digit multimeter with 15 built in measurement functions
- Ever growing selection of 12 plug-in switch modules
- Large 5 inch capacitive multi-touch graphical display
- Standard LAN/LXI and USB-TMC communication interfaces
- Scanning speeds as high as 800 channels/second with the solid state relay module
- Optional interfaces include GPIB, RS-232, and TSP-Link® Technology
- Fast PC automation with FREE KickStart Data Acquisition Application



AMETEK California Instruments Asterion AC Series

High Performance Programmable AC/DC Power Sources

- High power density in 1U/2U/3U chassis up to 6 kVA
- Up to 1500 VA single phase in 1u package
- Up to 3000 VA three phase in 2u package
- Up to 6000 VA three phase in 4u package
- Voltage ranges: 200/400 VAC RMS, 250/500 VDC
- Up to 5 KHz output frequency
- iX2 technology provides maximum power over wide voltage range
- Touch panel UI or ATE models available



AMETEK Sorensen Asterion DC Series

High Performance Programmable DC Power Supplies

- High power density in a 1U chassis up to 5 kW
- Fixed or auto-ranging output models
- Intuitive touch panel control
- Auto paralleling for higher power
- Standard LXI LAN, USB and RS232 interfaces
- Full remote control via included Virtual Panels™ software



NHR 9430 Series
NH Research, Inc.

Regenerative 4-Quadrant AC Loads

- 8 Sizes: 4 kW to 96 kW
- Single, split or three-phase programmable load
- 10 V to 350 VAC at 30 Hz to 880 Hz
- DC operation from 10 V to 400 VDC
- Sink power regenerated back to facility with >90% efficiency
- Power factor range: -1 to +1
- Crest factor range: 1.414 to 4.000



Full
4-Quadrant
Operation

MPI CORPORATION Probe Stations

High Performance Manual Analytic Probe Systems

- 50/150/200/300mm chuck options
- Different packages for Coax, Triax, RF, high power and mmW measurements
- Air-bearing stage design, with simple single-handed puck control
- Thermal chuck options from -60°C to 300°C
- Unique platen lift with separate positions for loading, separation and contact
- Various optic and movement options available

THz Ready



KEITHLEY 4200A
A Tektronix Company

Semiconductor – Parametric Analyzer

- Next Generation customizable, fully upgradable modular system
- IV Source Measurement Units, CV Capacitance, Pulsed IV, and High Voltage Pulse Generator
- Large 15.6 inch touchscreen HD display
- Switching solutions available via CVIV multi switch
- Automated real-time parameter extraction, data graphing, arithmetic functions



ASSOCIATED RESEARCH
A DIVISION OF IKONIX USA

Omnia II Series

Multi-Functional Electrical Safety Testers

- 6 different models which support: AC hipot, DC hipot, Ground bond, Continuity, Insulation resistance, Leakage current and built in AC source
- Smart GFI automatic operator shock protection
- Remote safety interlock for high voltage protection
- Internal scanner option for multi DUT testing
- Dualchek – simultaneous hipot and ground bond testing
- Autoware – Advanced automation control software



ospiREnt GSS6450 GNSS Simulator

GNSS RF Record & Playback System

- Record real-world signals and replay in the lab
- Supports GPS, GLONASS, Galileo, BeiDou, QZSS
- L1, L2, L5, B3, E6
- World's smallest 16-bit RF record replay system
- Choice of 4, 8 and 16 bit I/Q quantization with up to 50 MHz recording bandwidth
- Solid state and internal hard drive
- Simple single touch control



VIavi AEROFLEX ADS-B Integrity

Control Software to Support STC Approval of ADS-B Installations

- Controls IFR6000 transponder test set and GPSG1000 positional simulator
- ADS-B equipment installation verification
- Complete AC 20-165B fast and convenient reporting to identify installation issues
- Eliminate post STC operational flights
- Coupled testing in the hangar or on the flight line eliminates open sky requirements, GPS repeater, weather issues and interference with ATC operations

DVTEST dbSAFE ARMOR Series

Advanced Reconfigurable Modular OTA RF Test Enclosures

- Frequency: 300 MHz to 90 GHz
- Shielding effectiveness: 100 dB
- I/O panel options for RF, signal, digital, optical, cooling, and power connections
- 5 standard models can be combined with various cart and I/O options for infinite combinations
- Manual and programmable positioning system with full spherical coverage
- Measurement software for OTA near field to far field, spherical measurements and 3D antenna pattern generation





Testforce delivers critical technologies that drive our customers forward. Our core values are the catalyst that have accelerated our progress and facilitated our growth. The main objective at Testforce will always be to make our customers successful in everything they do. We do this by building on our foundation of continuous improvement through adapting and evolving to our environment.

Global experts in test

Testforce has built its reputation by being experts in everything test. The DNA and foundation of the company stems from the people who work here and our drive to be the leaders in our industry. We invest in our people providing opportunities for development and growth. Our people are factory trained to the exact specifications and standards of our global suppliers.

Simplify your world

Technology changes even more rapidly today than ever before. We understand that our customers expect more from their suppliers and partners because more is expected of them. We help our customers make the complex simple, in everything they do. We reduce their exposure to risk because of the knowledge we possess and integrate. We help our customers in the critical moments make tough decisions by providing insights and expertise.

From traditional test to the next wave of instrumentation, our breadth of products is second to none in the industry. Our history and expertise allow us to work with the military and aerospace industries which demand reliability, stability and longevity. Our attention to detail and accuracy help us work with the semiconductor and microwave industry where every millimeter counts and every nanometer makes a difference. Our range of instruments from millivolts to MegaWatts help facilitate research from powering our mobile devices to powering our cities.

Additional resources available on the website:

[White Papers](#)

[EMC Experts Guide](#)

[Power Experts Guide](#)

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