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EDU33210A Series Smart Bench Essentials Waveform and Function Generators

Rich in waveform capabilities

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Learn from experts and discover new test gear. Re Live from the Lab

.

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Highlights   Specifications   Models   Software, Accessories, Services   Resources

HIGHLIGHTS

Entry Level Never Looked This Good

The Keysight EDU33210 Series function / arbitrary waveform generators bring uncompromising performance to an entry-level function generator. Get all the basic functions and waveforms with the most stable, lowest-distortion function generator in its class. Included features give you the capabilities and flexibility you need to get your job done quickly, no matter how complex. An intuitive, information-packed front-panel interface enables you to quickly resume where you left off. It offers the following features:

- USB and LAN input / output interfaces for remote connectivity
- 20 MHz sine and square waveforms
- ramp, triangle, noise, pulse generation with a variable edge, and DC waveform
- Keysight PathWave BenchVue software to enable remote instrument control

- Six built-in modulation types and 17 popular waveforms to simulate typical application for testing
- 7-inch color display for simultaneous parameter set up, signal viewing, and editing
- 16-bit arbitrary waveform capability with memory up to 8 M samples per channel

KEYSIGHTCARE

SMART BENCH ESSENTIALS SERIES

The EDU33210A Series smart bench essentials function generators are part of a family of four professional-grade instruments: a digital multimeter, power supply, function generator, and oscilloscope. You also get powerful remote connectivity software and KeysightCare 24/7 technical support. The PathWave software enables you to harness the power of four instruments in a single software interface. Easy setup provides quick control of your test hardware.

The Smart Bench Essentials family comes with intuitive lab tools to track and manage

your maintenance schedule to ensure all instruments are up to date. Test, analyze, and share results collaboratively — across the room or around the world.

Solution Brief

KEY SPECIFICATIONS

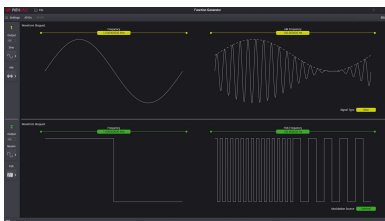| Max Bandwidth	Max Arbitrary Waveform Length	Max Sample Rate
20 Mhz	1 Msa	250 Msa/s

Harmonic Distortion

1 Vpp < = Vout < = 10 Vpp

Want to see more specifications?

FIND THE MODEL THAT'S RIGHT FOR YOU

EDU33211A
Waveform Generator, 20 MHz, 1 Channel

The EDU33211A single channel function / arbitrary waveform generators brings uncompromising performance to an entry-level function generator.

Get Quote

⌃ MORE

EDU33212A
Waveform Generator, 20 MHz, 2 Channel

The EDU33212A dual channel function / arbitrary waveform generators brings uncompromising performance to an entry-level function generator.

Get Quote

⌃ MORE

View and Compare All Models

SIMPLIFY DATA GATHERING AND ANALYSIS

PathWave BenchVue function generator software for the PC enables control of Smart Bench Essentials function generators to set waveform properties and load custom arbitrary waveforms from files.

- Get easy-to-log data, screenshots, and system status.
- Replicate and save instrument configurations to repeat results.
- Achieve quick export of measurement data in the desired format
.

Check Out PathWave BenchVue software

ACCELERATE THE WIN WITH TECHNICAL SUPPORT

The Smart Bench Essentials instruments include KeysightCare support. You will have access to Keysight technical experts and a 24/7 knowledge center to help you get up to speed in the shortest amount of time.

What do you get?

- 2-business-day technical response
- online knowledge center
- self-service web portal

Learn More About KeysightCare

EXTEND THE CAPABILITIES OF YOUR EDU33210 FUNCTION / ARBITRARY WAVEFORM GENERATOR

Software

See Related Software

Accessories

See Related Accessories

Support

Resources >
Drivers, Firmware & Software >
Calibration and Repair >
Training and Events >

See All Support

Services

KeysightCare Service and Support >
Calibration Services >
Education Services >
Technology Refresh Services >
Financial Services >

See All Services

FEATURED RESOURCES

White Papers   2020.06.05

Waveform Generators Increase Design Efficiency

Application Notes   2020.02.05

Waveform Sequencing with PathWave BenchVue Waveform Builder Pro

Application Notes   2018.08.12

How to Easily Create an Arbitrary Waveform Without Programming

White Papers   2020.04.22

4 Essential Methods for Creating and Editing Waveforms

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