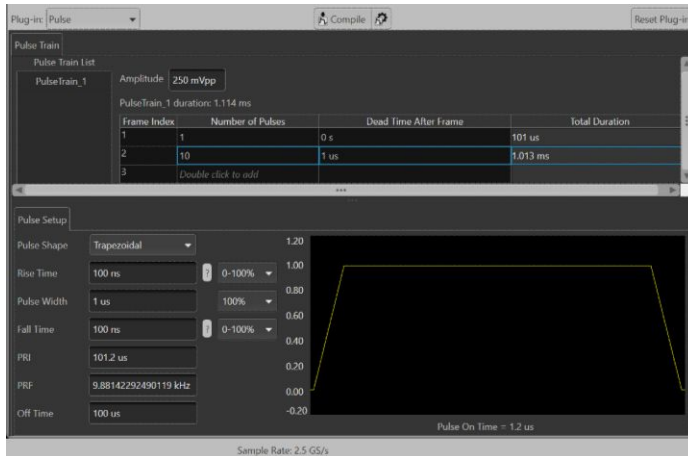


# Applications for SourceXpress® and AWG70000/5200 series generators

## Pulse Generator Plug-in Datasheet



The Tektronix Pulse plug-in is a simple and flexible tool to create pulsed waveforms with varying Pulse Widths, Rise Times, and Fall Times for the purpose of building complex and real world pulse test signals with the flexibility to create multiple channels waveforms. The plug-in integrates into the SourceXpress waveform creation platform, and the AWG70000 series and AWG5200 series arbitrary waveform generators.

### Key features

- Allows the creation of multiple pulses and frames to stimulate devices under test with signals with multiple frames
- Customize pulses with different pulse shapes like rectangular and trapezoidal with varying rise/fall times, pulse widths and pulse repetition rate to simulate real world signals
- Allows users to insert varying dead time between frames
- Create multiple Pulse trains and assign each train to different channels to simulate multi lane signals
- Offline Mode
  - Designed to also run on an external PC via the SourceXpress PC application, thereby reducing the time taken to synthesize large waveforms and leaving the instruments free for continued testing
- Seamless transition between design and playback
  - The easy to use graphical user interface integrates seamlessly with the user interfaces of the SourceXpress PC application and the Tektronix AWG70000 series and AWG5200 series generators

- Designed for integration for automated test or manufacturing
  - Programmatic Interface allows for integration into existing workflows

### Ultimate Pulse signal flexibility

The Pulse plug-in provides the ultimate in flexibility for creating Pulse waveforms. It gives users the ability to build custom Pulse suites from pulses, to pulse frames, and to pulse trains.

### Requirements

- Plug-in installed with SourceXpress on PC:
  - SourceXpress software version 6.1 or greater
  - PC operating systems: Windows 7 (64 bit), Windows 8 (64 bit), Windows 10 (64 bit)
- Plug-in installed on compatible instruments:
  - AWG70000 Series, firmware version 6.1 or greater
  - AWG5200 Series, firmware version 6.1 or greater

### Applications

The Pulse Generator plug-in turns your AWG into a very useful pulse generating platform, able to produce pulses for testing in areas such as:

- Displays
- High-energy physics
- Medical imaging
- LiDAR
- Industrial sensors

## Ordering information

### How to Purchase

The Pulse Generator plug-in is available to download for free. You can download from the [www.tek.com/sourceexpress](http://www.tek.com/sourceexpress). Visit the Tektronix website to request more information or contact your nearest sales representative.

### Additional information

This and other plug-ins are available for SourceXpress and compatible waveform generators.

Use the following website links to view available application plug-ins, downloads, and trial licenses.

- [SourceXpress website](#)
- [AWG70000 Series website](#)
- [AWG5200 Series website](#)



Tektronix is registered to ISO 9001 and ISO 14001 by SRI Quality System Registrar.



Product(s) complies with IEEE Standard 488.1-1987, RS-232-C, and with Tektronix Standard Codes and Formats.

ASEAN / Australasia (65) 6356 3900  
Belgium 00800 2255 4835\*  
Central East Europe and the Baltics +41 52 675 3777  
Finland +41 52 675 3777  
Hong Kong 400 820 5835  
Japan 81 (3) 6714 3086  
Middle East, Asia, and North Africa +41 52 675 3777  
People's Republic of China 400 820 5835  
Republic of Korea +822 6917 5084, 822 6917 5080  
Spain 00800 2255 4835\*  
Taiwan 886 (2) 2656 6688

Austria 00800 2255 4835\*  
Brazil +55 (11) 3759 7627  
Central Europe & Greece +41 52 675 3777  
France 00800 2255 4835\*  
India 000 800 650 1835  
Luxembourg +41 52 675 3777  
The Netherlands 00800 2255 4835\*  
Poland +41 52 675 3777  
Russia & CIS +7 (495) 6647564  
Sweden 00800 2255 4835\*  
United Kingdom & Ireland 00800 2255 4835\*

Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777  
Canada 1 800 833 9200  
Denmark +45 80 88 1401  
Germany 00800 2255 4835\*  
Italy 00800 2255 4835\*  
Mexico, Central/South America & Caribbean 52 (55) 56 04 50 90  
Norway 800 16098  
Portugal 80 08 12370  
South Africa +41 52 675 3777  
Switzerland 00800 2255 4835\*  
USA 1 800 833 9200

\* European toll-free number. If not accessible, call: +41 52 675 3777

**For Further Information.** Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit [www.tek.com](http://www.tek.com).

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**Tektronix®**

**CalPlus GmbH**  
Zentrale Berlin  
Heerstraße 32 • 14052 Berlin  
Tel.: 030 214982-0 • Fax: 030 214982-50  
office@calplus.de • www.calplus.de

**CalPlus GmbH**  
Niederlassung ScopeShop  
Normannenweg 30 • 20537 Hamburg  
Tel.: 040 3039595-0 • Fax: 040 3039595-50  
scopeshop@calplus.de • www.calplus.de