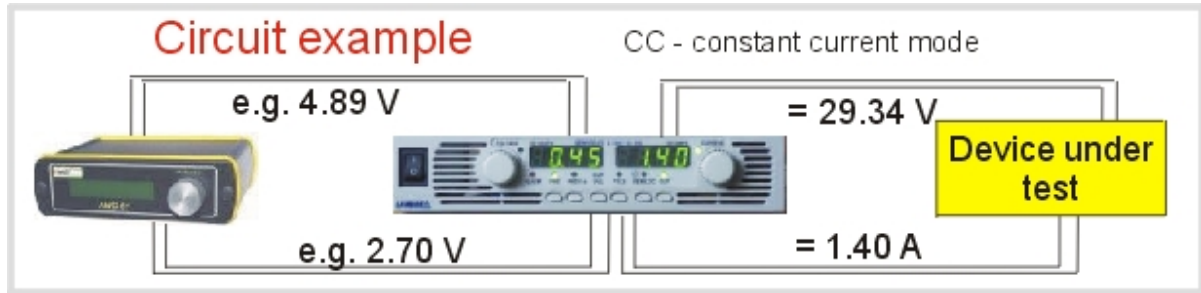


AWG-S1 *Arbitrary waveform generator*

The AWG-S1 essentially stores current voltage or time characteristics of any kind and can release them on demand. Since the unit is only able to produce voltages of up to 10 VDC, you will need a controlled but separate power supply. This new power supply acts as a power booster and would be adjustable by an analogue voltage signal. It would amplify the signal generated by the AWG S1 to the level needed for testing the respective device.



These settings can be stored via a PC (USB) onto the Arb-Generator. Soon, this function will no longer need any computer assistance.

U	I	T	Unit
29,34	1,4	10	ms
12,8	0,6	25	s
6,5	0,1	15	min
39,49	2,9	2	h
...

Benefits of the AWG-S1 include:

- Low cost
- Security of investment: compatibility with most regulated PSUs assures universal application
- Very easy to use: data is entered on a PC via a spreadsheet (e.g. MS Excel™ or OpenOffice) or using a text editor with a semicolon or comma as separator (csv format)
- Can run independently of PC
- Future-proof through firmware update function
- Freely selectable output voltage range for the external PSU from 0 to ~ 10 VDC. Thus 0-5, 1-6, 0-10 V DC or similar can be generated without problems
- Compact dimensions and low weight for portability
- Parallel start function for multiple AWG S1 devices
- Quick to set up and dismantle with plug connectors
- During data transfer between PC and AWG-S1, power is obtained via the USB interface

- Robust construction with high-quality aluminum enclosure
- Interchangeable storage medium (micro SD card)
- Low power consumption thanks to a 'green power' / 'energy star' mains adapter and an automatic sleep function when unit is not being used

DC-Input:	15 V, 100mA
Data storage medium:	Micro-SD-Card to hold approx. 500 program files
Saved data format:	CSV (separator ; or ,)
Inputs/Outputs:	<ul style="list-style-type: none"> • 2 analog outputs freely adjustable in range 0-10 V for control of connected PSUs and 10 V limits can be calibrated. • Remote relay contact • Remote-start input / output
Capacity of outputs to withstand short circuits:	approx. 1 min.
Rise / fall time:	~ 2 μ s
Interface:	USB 2.0
Display:	2-line, each 20 characters, with switchable background lighting
DAC resolution:	12 Bit
Accuracy of outputs:	2.5mV typ.
Rise/ fall time:	~ 2 μ s
Smallest time unit:	1 ms
Largest time unit:	119,30 h (~ 5 days)
Number of possible output points:	~ 5.000
Power-saving function:	selectable sleep timer can be set to 15, 30, or 60 min.
Operating temperature range:	0 to +40°C
Relative humidity:	80% max (non-condensing)

Dimensions (WxHxD): ~ 109 x 35 x 108 mm plus plug

Weight: ~ 230g (plus 145g mains adapter)

Delivery comprises:

- AWG S1
- Plug-in mains adapter:
 - AWG-S1 with standard EU-AC-Plug
 - AWG-S1-UNIV with AC-Plug adapters (EU, US,)
- Screw / plug-in terminal block Phoenix MC1.5/8-ST-3.81
- USB Cord
- Micro-SD-Card with example programs (control files)
- Instruction manual

Distributeur LGDA-TECHNOLOGIES

Contact : Bernard DE ALCALA

Email contact@lgda-technologies.com

Tél +33 4 42 38 72 57