

Programmatically selecting a built-in arbitrary waveform with an SDG

February 15, 2019

The SDG series of arbitrary waveform generators have a number of built-in arbitrary waveforms including health-related waveforms like cardiac and math waveforms like sinc.

To read the available waveforms, you can send the following string:

```
STL?
```

This will return a list similar to the following (the exact return data depends on the instrument model and firmware revision):

```
STL\sM10,\sExpFal,\sM100,\sECG14,\sM101,\sE
```

The list is comprised of a waveform index and a name.

For example, if you wish to recall the ExpFal waveform send:

```
C2:ARWV INDEX 10
```

Where C2 = Channel 2

NOTE: The “M” in the index return string is dropped when sending the ARWV command string.



North American Headquarters

SIGLENT Technologies America, Inc
6557 Cochran Rd Solon, Ohio 44139
Tel: 440-398-5800
Toll Free:877-515-5551
Fax: 440-399-1211
info@siglent.com
www.siglentamerica.com/

European Sales Offices

SIGLENT TECHNOLOGIES EUROPE GmbH
Staetzlinger Str. 70
86165 Augsburg, Germany
Tel: +49(0)-821-666 0 111 0
Fax: +49(0)-821-666 0 111 22
info-eu@siglent.com
www.siglenteu.com

Asian Headquarters

SIGLENT TECHNOLOGIES CO., LTD.
Blog No.4 & No.5, Antongda Industrial Zone,
3rd Liuxian Road, Bao'an District,
Shenzhen, 518101, China.
Tel:+ 86 755 3661 5186
Fax:+ 86 755 3359 1582
sales@siglent.com
www.siglent.com/ens