

# DEMONSTRATION UNIT DU65SB

**sonitron**<sup>®</sup>  
Excellence in physical acoustics

## DESCRIPTION

The DU65SB is a small speaker demonstration unit that consists of a piezoceramic speaker (SPS6555) and a piezo audio amplifier (PAA-StepUpBTL-01).

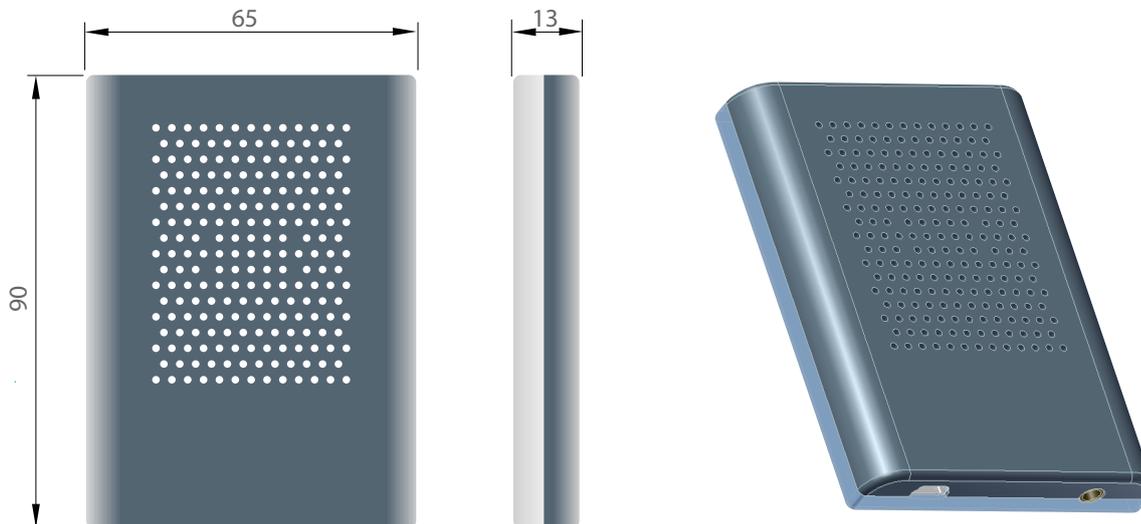
The **SPS-6555-03** is a polymer/metal speaker with a very flat frequency response. The use of a piezoceramic disc as the heart of the speaker does not generate an electromagnetic field and ensures EMC requirements.

The **PAA-StepUpBTL-01** is an electronic design concept of a Piezo Audio Amplifier build out of a DC-DC converter and a Bridge tied load configuration amplifier circuit.

The amplifier circuit is a perfect balance between power consumption and space design. The BTL-amplifier topology makes it possible to swing the signal to 60Vpp.

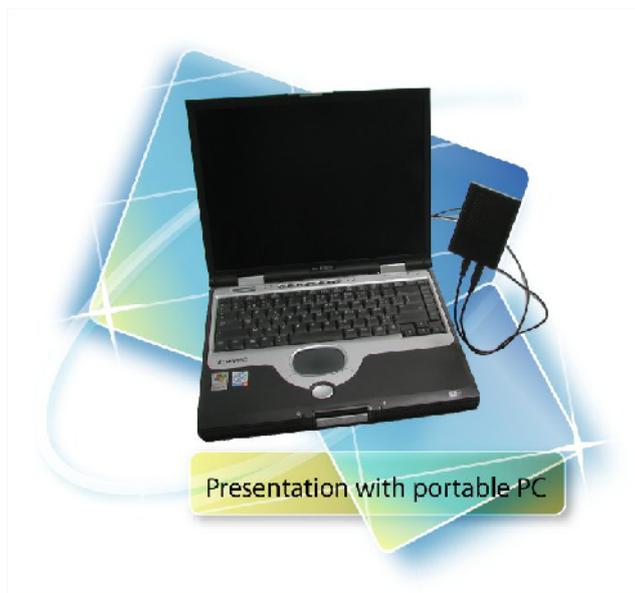


## DIMENSIONS



<http://www.sonitron.be>

## PRESENTATION EXAMPLES



The DU65SB is designed for use with MP3-players and the headphone output of a portable PC.

Please note: Other outputs or signals than the music headphone output can damage the amplifier!!

The power source comes from a USB power port and delivers 5V to the piezo audio amplifier. If no USB powerport is available an adapter can be used. In this case we recommend the iPod USB Power Adapter.



### Information:

- Appnote StepUpBTL-01
- Online catalogue Sonitron 2010

#### Warning!!!

The DU65SB is not for sale and is for demonstration purpose only.

Other use than the described presentation examples can damage the demonstration unit.

Sonitron is not responsible for any wrong use and/or damage that is related to wrong use of the DU65SB.



**Audio test samples**  
+  
**Special features**

<http://www.sonitron.be>