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Presentation of SABRe

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SABRe stands for Sensor Augmented Bass Clarinet - it is a standard acoustic bass clarinet equipped with different sensors. While maintaining the acoustic qualities of the original instrument, SABRe can also be used as a controller that sends data to a computer. The Sensors can capture the movement and position of the instrument as well the pressure produced by the player and the processes of his fingers on the instrument. This opens a wide range of new musical possibilities for composition and performance.

The SABRe's wireless connection to the computer not only gives the performer freedom to move naturally, it also allows the musician to manipulate the electronics directly and spontaneously without drawing the audience's attention toward the technology. Each of the 25 sensors located on keys of the instrument may be programmed for various independent functions, and a sensor on the mouthpiece registers variations in air pressure. Additional sensors register physical movement of the whole instrument. The original acoustic qualities of the bass clarinet are retained so that it can be used in traditional settings, making The SABRe extremely versatile and the design offers limitless musical and multi-media possibilities.

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