

### Tone Variator #4 according to William Stern

|                                       |  |
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| <b>Inv.-No.</b>                       | 00100  |
| <b>Developer</b>                      | William Stern (1871-1938)                      |
| <b>Manufacturer</b>                   | Max Kohl A.G., Chemnitz                        |
| <b>Date</b>                           | circa 1915                                     |
| <b>Material</b>                       | brass, brass (nickel plated), cast iron, steel |
| <b>Dimensions</b><br>(h ,w, d; in mm) | 360 x130 x 220                                 |

William Stern developed this type of tone variator around 1900 together with the Wroclaw mechanic Tiessen. The pitch is set by varying the piston in the cylinder, which works via a helical drive. By this, the movement of the piston in the cylinder follows Weber-Fechner's law, which is virtually built in here.

Literature:

Max Kohl, Pysikalische Apparate, Preisliste 21, Chemnitz, (p. 305)

Spindler & Hoyer. 1921. Apparate für psychologische Untersuchungen, Katalog XXI. (p. 0074, fig. 166b)

