

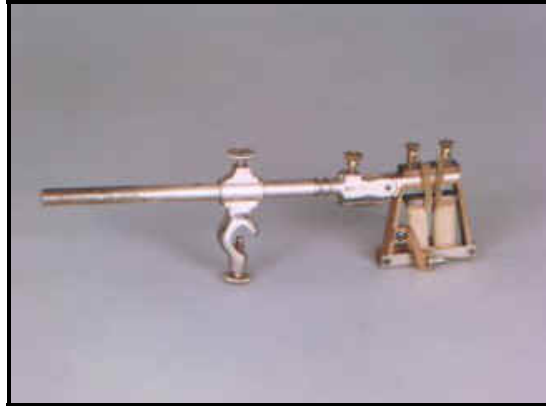
SIGNAL MARKER PEN (FEDERSIGNAL NACH PFEIL)

Maker, source:

E. Zimmermannm Leipzig

Year made, acquired: c. 1920

The Signal Marker recorded timing marks on the rotating kymograph drum. Researchers used it along with other markers which were connected to stimulus and response apparatus.



"Highly suited to record tuning fork oscillations and other small temporal intervals. A spring, serving as anchor, is mounted over the poles of an electromagnet whose oscillations are magnified by means of a spring-like device. The poles of the electromagnet are contacted by means of a screw from below. The pressure of the stylus on the drum can be guided by means of a second setting. This signal can tolerate stronger currents because of larger magnets and has the lowest possible latency because the anchor (spring) does not touch the poles.

The apparatus has a low profile and therefore has the advantage of much lower height than the original Pfeil version. The signal therefore affords maximal use of the writing surface because it can be positioned closely under other writing or recording devices. The moving parts are held to a minimum so that the apparatus is capable of handling easily up to 250 double oscillations per second."

Translated by Prof. Rolf Kroger, Psychology Department, University of Toronto

Zimmermann, E. (1922) *Catalogue* "Fabrik Wissenschaftlicher Apparate, Liste 41," Item No. 1830, Leipzig-Berlin.