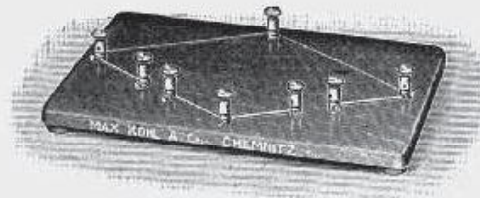




61 902. 1 : 10.



61 905. 1 : 8.



61 906 — 61 911. 1 : 4.



61 912. 1 : 4.

- 61,902. **Simple Wheatstone Slide Wire Bridge for students' use**, after Hahn, Figure (Hahn, Schülerübungen, Fig. 314; cf. Gan.-Man. Fig. 768; Gan.-Rein., Fig. 936), without comparison resistances £ s. d.
 0. 11. 0
 For comparison resistances use can be made of Nos. 62,000—62,011 or the resistances Nos. 61,850 to 61,865.
- 61,903. **Simple Wheatstone Bridge for school use**, after Friedr. C. G. Müller (M. T. Fig. 196), without comparison resistances 1. 4. 0
- 61,904. **Double Key** for above (M. T. Fig. 197) 0. 12. 0
- For further Double Keys see Nos. 61,144 and 61,145, p. 868.
- 61,905. **Simple Wheatstone Bridge**, Figure (M. P., 9th Edn., III, Fig. 395), without comparison resistances 0. 15. 0

Standard Resistances.

Please Note. We attach special value to the construction of accurate standard resistances and our laboratory is thoroughly well equipped for satisfying all requirements in this connection.

If desired, and on payment of the usual fees and postal charges, we will send our standard resistances to the Physikalisch-Technische Reichsanstalt for certification as precision resistances.

Standard Resistances, Figures, of Manganin Wire, wound on metal cylinder, impregnated with shellac and heated to 140° C. before adjustment. Enclosed in a metal case and provided with bent copper leads for hanging in the mercury cups of a petroleum bath. These resistances, like all other resistances of our manufacture, are calibrated in **International Ohms** (1 ohm — the resistance of a column of mercury 106.3 cm long and of 1 sq. mm cross section at 0° C.

List No.	61,906	61,907	61,908	61,909	61,910	61,911	61,912
Resistance	0.1	1	10	100	1000	10,000	100,000 Ohms
£	2. 14. 0	2. 8. 0	2. 8. 0	2. 8. 0	2. 12. 0	2. 14. 0	3. 10. 0

The load permissible for these resistances is up to **1 watt** when used in the petroleum bath without cooling, and for a short time in air for precision measurements and resistance-comparisons; for technical current measurements the load can be as much as **10 watts**. The maximum permissible currents in the petroleum bath are consequently:

Resistance Ohms	Precision measurements	Current measurements for technical purposes
	Amperes	Amperes
100,000	0.003	0.01
10,000	0.01	0.03
1,000	0.03	0.1
100	0.1	0.3
10	0.3	1
1	1	3
0.1	3	10
0.01	10	30
0.001	30	100
0.0001	100	300

Standard Resistance No. 61,912 of 100,000 ohms has special terminals on the limbs, see Fig. 61,912.

- 61,913. **Extra price** for Nos. 61,906—61,911 constructed with special terminals as per Fig. 61,912 to enable the resistances to be connected direct to wires 0. 5. 0