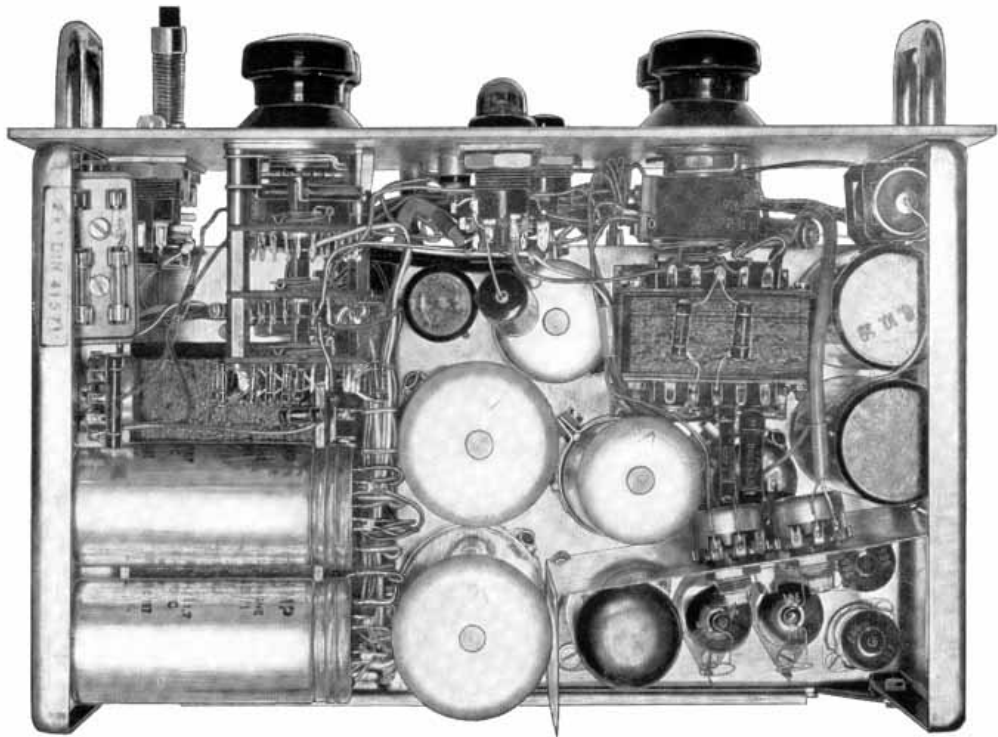
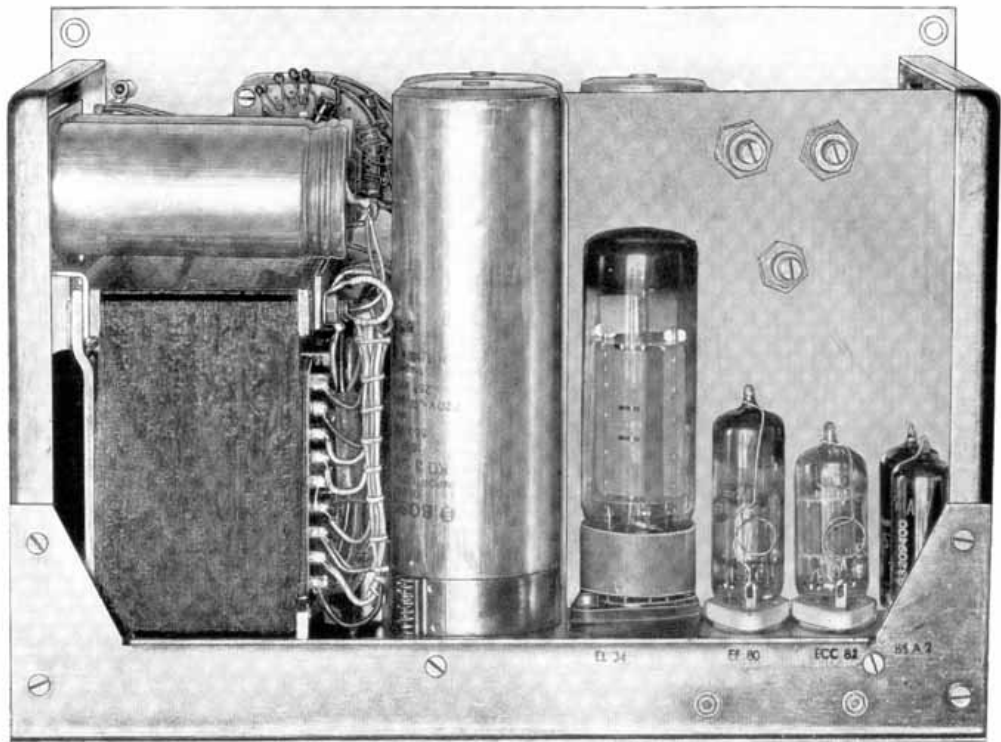


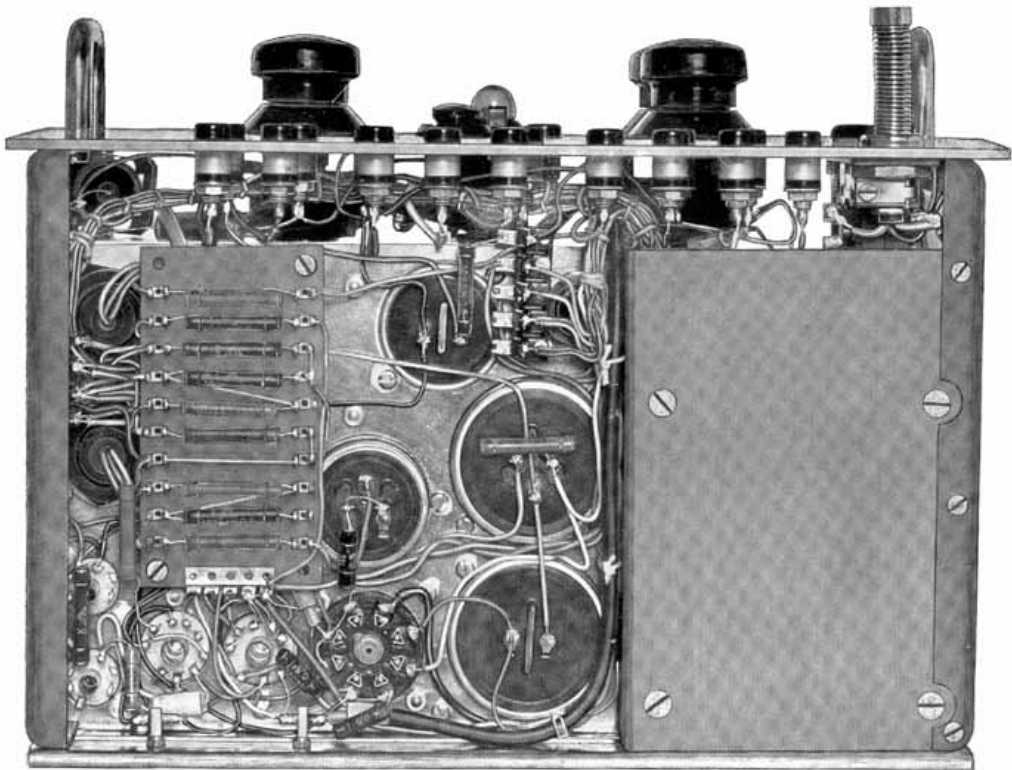


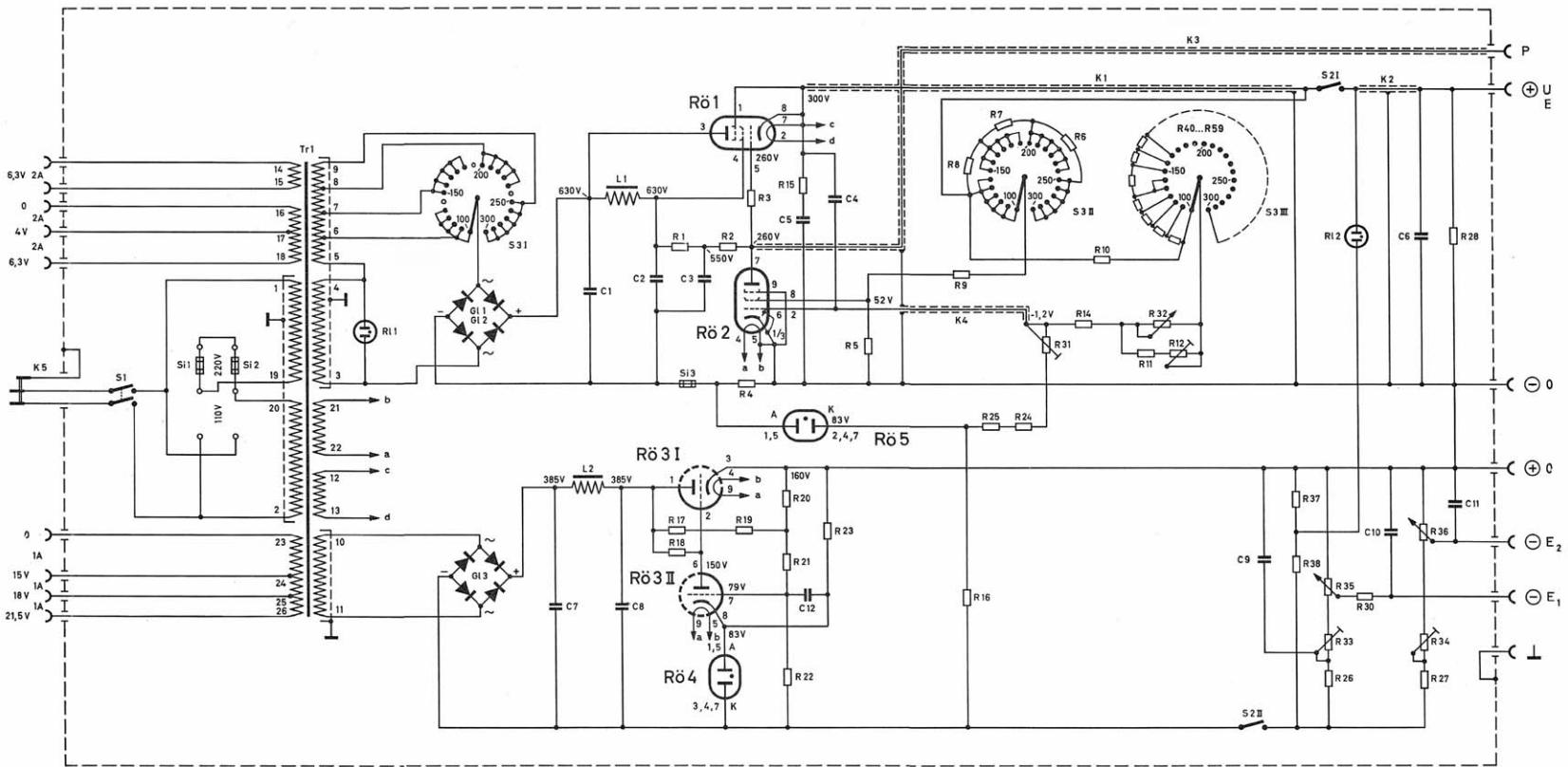
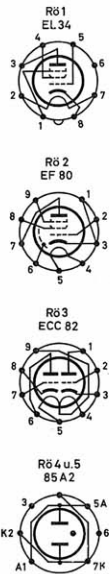


LABORNETZGERÄT Type NGU









Stromlauf
Circuit Diagram

6. Table of Replaceable Parts

Ref. No.	Designation	Ratings	R & S Stock No.	Location in the set		
				Fig.	Coordinate square	Remarks
C 1	Capacitor, MP	16 μ f/500 v	CMR 16/500	10	M-11	
C 2	Capacitor, MP	8 μ f/500 v	CMR 8+8/500	10	J-11	
C 3		8 μ f/500 v				
C 4	Capacitor, MP	2 μ f/500 v	CMR 2/500	8	J-16	
C 5	Capacitor, MP	16 μ f/350 v	CMR 8+8/350 parallel	10	K-8	
C 6	Capacitor, paper	100,000 pf/630 v	CPK 100 000/630	8	F-10	
C 7	Capacitor, MP	8 μ f/350 v	CMR 8/350	8	N-3	
C 8	Capacitor, MP	8 μ f/350 v	CMR 8/350	8	K-3	
C 9	Capacitor, MP	2 μ f/160 v	CMR 2/160	8	D-19	
C 10	Capacitor, MP	16 μ f/160 v	CMR 16/160	10	G-9	
C 11	Capacitor, electrolytic	50 μ f/15 v	CED 21/50/15	8	D-17	
C 12	Capacitor, synth. foil	1000 pf/500 v	CKS 1000/500	10	O-3	
G 11	Rectifier, power	250 v/120 ma	GNV 19/250/120 M	8	I-19	
G 12	Rectifier, power	250 v/120 ma	GNV 19/250/120 M	8	F-19	
G 13	Rectifier, power	300 v/75 ma	GNB 19/300/75 M	8	F-8	
K 1	Cable, RF		LKK 61900	10	D-3	
K 2	Cable, RF		LKK 61900	10	D-15	
K 3	Cable, RF		LKK 61900	10	O-11	
K 4	Wire, shielded		LFA 03022	8	G-17	
K 5	Power cord		LKA 08031	8	A-2	
L 1	Choke		95140-23	8	G-15	
L 2	Choke					

Ref. No.	Designation	Ratings	R&S Stock No.	Location in the set		
				Fig.	Coordinate square	Remarks
R 1	Resistor, depos. carbon	200 k Ω /0.5 w	WF 200 k/0,5	10	I - 11	
R 2	Resistor, depos. carbon	500 k Ω /0.5 w	WF 500 k/0,5	10	K - 4	
R 3	Resistor, depos. carbon	10 k Ω /0.5 w	WF 10 k/0,5	10	O - 7	
R 4	Resistor, wire-wound	1.25 Ω /0.5 w	WD 1,25/0,5	10	N - 6	
R 5	Resistor, depos. carbon	20 k Ω /0.5 w	WF 20 k/0,5	10	F - 4	
R 6	Resistor, depos. carbon	20 k Ω /0.5 w	WF 20 k/0,5	8	G - 5	
R 7	Resistor, depos. carbon	20 k Ω /0.5 w	WF 20 k/0,5	8	F - 4	
R 8	Resistor, depos. carbon	20 k Ω /0.5 w	WF 20 k/0,5	8	G - 4	
R 9	Resistor, depos. carbon	30 k Ω /0.5 w	WF 30 k/0,5	8	F - 7	
R 10	Resistor, depos. carbon	160 k Ω \pm 1%/0.5 w	WF 160 k/1/0,5	8	I - 6	
R 11	Resistor, depos. carbon	80 k Ω /0.5 w	WF 80 k/0,5	8	H - 1	
R 12	Resistor, depos. carbon, variable	1 M Ω lin.	WS 9122 F/1 M	8	H - 1	
R 14	Resistor, depos. carbon	2.5 k Ω /0.5 w	WF 2,5 k/0,5	10	F - 4	
R 15	Resistor, wire-wound	1 Ω /0.5 w	WD 1/0,5	10	L - 7	
R 16	Resistor, depos. carbon	30 k Ω /0.5 w	WF 30 k/0,5	10	M - 1	
R 18	Resistor, depos. carbon	500 k Ω /0.5 w	WF 500 k/0,5	10	K - 2	
R 19	Resistor, depos. carbon	1 M Ω /0.5 w	WF 1 M/0,5	10	I - 4	
R 20	Resistor, depos. carbon	10 k Ω /0.25 w	WF 10 k/0,25	10	H - 4	
R 21	Resistor, depos. carbon	160 k Ω \pm 1%/0.5 w	WF 160 k/1/0,5	10	H - 4	
R 22	Resistor, depos. carbon	160 k Ω \pm 1%/0.5 w	WF 160 k/1/0,5	10	G - 4	
R 23	Resistor, depos. carbon	80 k Ω /0.25 w	WF 80 k/0,25	10	N - 4	
R 24	Resistor, depos. carbon	125 k Ω \pm 1%/0.5 w	WF 125 k/1/0,5	10	K - 4	
R 25	Resistor, depos. carbon	2.5 k Ω /0.5 w	WF 2,5 k/0,5	10	J - 4	
R 26	Resistor, depos. carbon	8 k Ω /1 w	WF 8 k/1	10	I - 16	

Ref. No.	Designation	Ratings	R & S Stock No.	Location in the set		
				Fig.	Coordinate square	Remarks
R 27	Resistor, depos. carbon	125 k Ω ±1%/0,5 w	WF 125 k/1/0,5	10	I – 15	
R 28	Resistor, depos. carbon	500 k Ω /0,5 w	WF 500 k/0,5	10	E – 11	
R 30	Resistor, depos. carbon	16 k Ω /0,5 w	WF 16 k/0,5	10	F – 10	
R 31	Resistor, depos. carbon, variable	10 k Ω lin.	WS 9122 F/10 k	8	K – 17	Fig. 9, B – 17
R 32	Resistor, wire-wound, variable	20 k Ω lin.	WR 10/20 k	10	C – 15	
R 33	Resistor, wire-wound, variable	8 k Ω lin.	WR 4 F/8 k	8	E – 16	
R 34	Resistor, depos. carbon, variable	50 k Ω lin.	WS 9122 F.50 k	8	K – 15	Fig. 9, B – 15
R 35	Resistor, wire-wound, variable	20 k Ω lin.	WR 10/20 k	8	D – 15	
R 36	Resistor, wire-wound, variable	10 k Ω lin.	WR 10/10 k	10	D – 6	
R 37	Resistor, depos. carbon	1 M Ω /0,25 w	WF 1 M.0,25	8	G – 16	
R 38	Resistor, depos. carbon	500 k Ω /0,25 w	WF 500 k/0,25	8	G – 14	
R 40	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	A – 6	
R 41	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	A – 5	
R 42	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	A – 5	
R 44	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 45	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 46	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 47	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 48	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 49	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	
R 50	Resistor, depos. carbon	16 k Ω ±1%/0,1 w	WF 16 k/1/0,1	9	C – 5	

Ref. No.	Designation	Ratings	R&S Stock No.	Location in the set		
				Fig.	Coordinate square	Remarks
R 51	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	C – 5	
R 52	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	C – 5	
R 53	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	C – 5	
R 54	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	D – 6	
R 55	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	D – 7	
R 56	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	C – 7	
R 57	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	C – 7	
R 58	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	B – 7	
R 59	Resistor, depos. carbon	16 k Ω ±1%/0.1 w	WF 16 k/1/0,1	9	B – 7	
RI 1	Lamp, miniature, glow	220 v	RL 210	8	B – 2	
RI 2	Lamp, miniature, glow	220 v	RL 210	8	B – 10	
Rö 1	Pentode, output		EL 34	8	M – 13	
Rö 2	Pentode		EF 80	8	M – 15	
Rö 3	Double triode		ECC 82	8	M – 17	
Rö 4	Reference tube		85 A 2	8	N – 18	
Rö 5	Reference tube		85 A 2	8	L – 18	
S 1	Power switch, combination		SKK 120	10	C – 19	
S 2	Switch, toggle		SR 122/3	10	C – 10	
S 3	Switch, step		SRW 13315	8	C – 5	
S 4	Fuse strip		95140 – 24	8	E – 1	
Si 1	Fuse	1 a	1 C DIN 41571	8	F – 1	
Si 2	Fuse	1 a	1 C DIN 41571	9	F – 1	
Si 3	Fuse	100 ma	0,1 C DIN 41571	10	B – 9	
Tr 1	Transformer, power		95140 – 20	9	J – 3	