

NOMBREX TRANSISTORISED C.R. BRIDGE MODEL 62

The bridge is designed for measurements of all values of Resistance and Capacitance within the ranges specified below:

RANGES:

- | | |
|------------------------------------|-------------------------|
| (1) 1 Ohm – 100 Ohms – 10K Ohms | (4) 1pF – 100pF - .01uF |
| (2) 100 Ohms – 10k Ohms – 1M Ohms | (5) 100pF - .01uF – 1uF |
| (3) 10K Ohms – 1M Ohms – 100M Ohms | (6) .01uF – 1uF – 100uF |

The centre value of each range is the standard employed. All the standards with the exception of range 6 are of 1% accuracy.

OPERATION:

Set Range Switch to range required. Connect the resistor or capacitor to be tested to the two terminals. In the case of electrolytic capacitors the correct polarity should be observed. Turn the Balance Control until the green line in the Indicator reduces to the minimum length. Read off the indicated figure on the appropriate C or R scale. This figure - when multiplied by the figure indicated by the Range Switch - shows the value of the component being measured.

On Range 6, measuring the larger values of capacitance, the Balance Control and Power Factor Control should be adjusted alternately until the sharpest possible indication is obtained. The two controls then indicate the capacitance value and Power Factor respectively.

LEAKAGE:

Electrolytic capacitors within 250/400V working voltage can be tested for leakage by turning the Range Switch to L. Leakage is indicated by flashing of the red neon indicator. The actual rate of flashing is dependent on the value of the capacitor, but as a general guide, for any given value, the faster the flashing rate, the greater is the degree of leakage. In extreme case of leakage, the neon will remain lighted.

BATTERY:

Instruments are supplied without battery fitted to avoid deterioration. Access to fit or renew the battery is by removing the eight rear screws and back cover. Ensure that the battery is firmly gripped in the spring clip provided and that the connectors are clear of any components. The correct battery is Ever Ready PP4, Drydex DT4, or any equivalent 9V battery.

IMPORTANT:

Ensure that the Range Switch is returned to OFF position after use to avoid battery wastage.

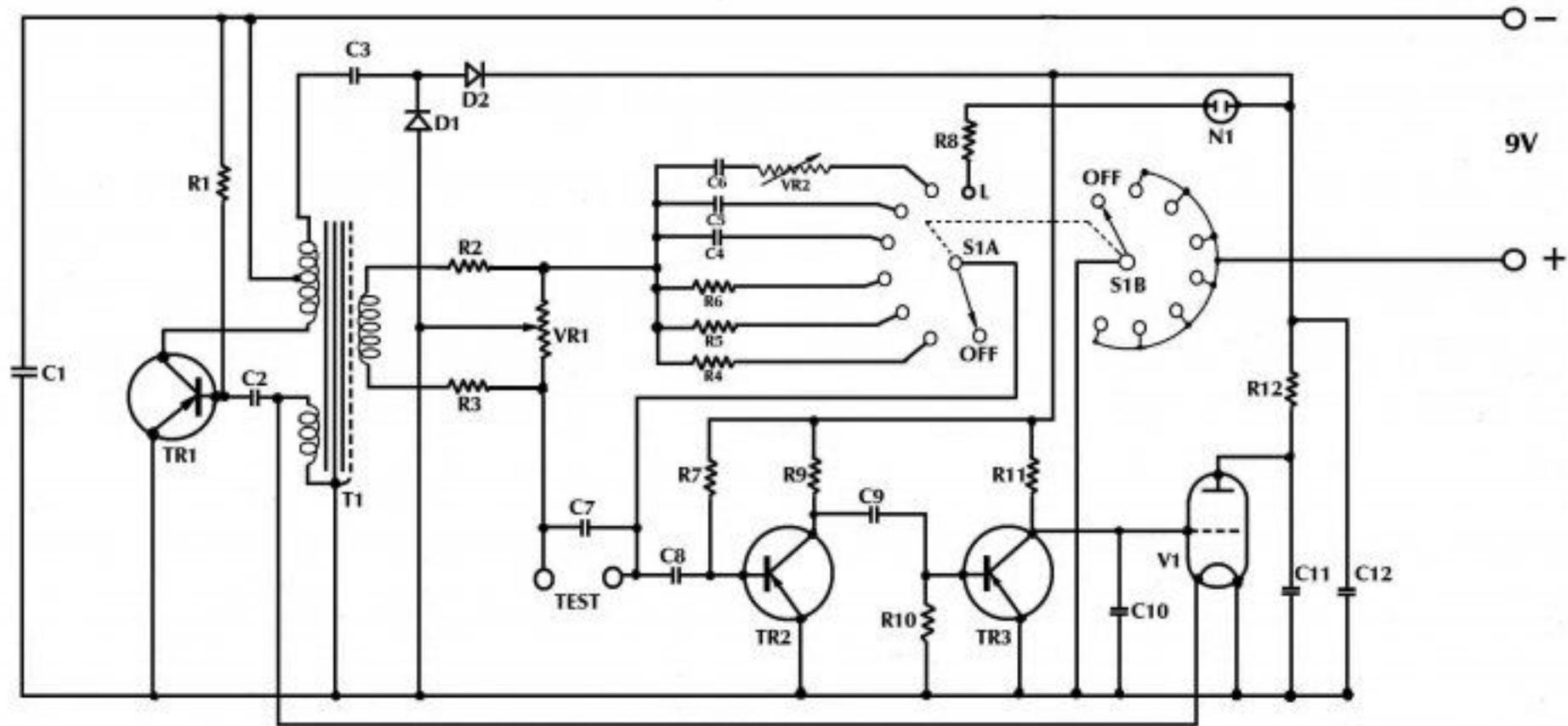
GUARANTEE:

The instrument is guaranteed for a period of twelve months from purchase date against any defect or faulty manufacture, provided that the unit has not been damaged by mis-use, has not been adjusted or serviced by anyone other than the manufacturer's Service Department or their appointed agents in U.K or overseas.

SERVICE:

If the instrument should require service, unless otherwise arranged, it should be returned, if purchased in the U.K., to the Service Department of the manufacturer, or if purchased outside the U.K., to the supplier from whom it was purchased. It should be adequately packed, mailing charges pre-paid, and be accompanied by a letter clearly specifying the nature of the complaint.

**MANUFACTURED BY
NOMBREX LTD. (INSTRUMENTS DIVISION)
EXMOUTH – DEVON - ENGLAND**



NOMBREX LTD.

C.R. BRIDGE.

TYPE 62.

Key	Value	Tol.	Part No.	Key	Value	Tol.	Part No.	Key	Value	Part No.
R 1	470 Ohms	10 per cent	42	C 1	64 uF	25 per cent	13	TR3	Amp Transistor	12
R 2	220 Ohms	10 per cent	43	C 2	6.4 uF	25 per cent	37	D1	Rectifier	10
R 3	220 Ohms	10 per cent	43	C 3	.01 uF	25 per cent	36	D1	Rectifier	10
R 4	100 Ohms	1 per cent	14	C 4	100pF	1 per cent	17	V1	Balance Indicator	8
R 5	10K	1 per cent	15	C 5	.01 uF	1 per cent	18	N1	Neon Indicator	9
R 6	1 M	1 per cent	16	C 6	1 uF	5 per cent	19	S1	Range Switch	7
R 7	470K	10 per cent	46	C 7	2.2pF	1pF	49	T1	Transformer	21
R 8	1 M	10 per cent	45	C 8	.01 uF	25 per cent	36	—	Case Complete	1
R 9	2.2K	10 per cent	47	C 9	.01 uF	25 per cent	36	—	Case Handle	4
R 10	4.7K	10 per cent	48	C 10	.01 uF	25 per cent	36	—	Battery Clip	24
R 11	4.7K	10 per cent	48	C 11	.01 uF	25 per cent	36	—	Battery Connector	25
R 12	1 M	10 per cent	45	C 12	.01 uF	25 per cent	36	—	Cursor Knob	23
VR1	5 K		5	TR1	Osc Transistor		11	—	Control Knobs	22
VR2	100 Ohms		6	TR2	Amp Transistor		12	—	Output Terminals	20



VOLTAGE DOUBLER
DIODES



HEATER

ANODE

GRID HEATER

