# VALVE ELECTRONIC CV95

| Specification AD/CV95/Issue 4.<br>Dated 14.11.46.<br>To be read in conjunction with K1001, ignoring clause :- 5.8. | SECURITY<br>Specn. ~~Restricted~~ Unclass<br>Valve Unclassified |
|---|---|

TYPE OF VALVE:- Tungsten Filament Bolometer Indicator.
CATHODE:- None.
ENVELOPE:- Glass.
PROTOTYPE:- R3/10.

MARKING
See K1001/4.

| RATING | | Note |
|---|---|---|
| Cold resistance. (ohms) | 6.5 | |
| Wattage dissipation when just glowing (approx.) (mW) | 8 | |

BASE AND CONNECTIONS
See Fig. 1.

DIMENSIONS
See Fig. 1.

PACKING
See ~~K1001/5~~ K1005

NOTE

A. The indicator is to be degassed and evacuated so that it may be operated in R.F. fields without the ionisation glow caused by the presence of gas.

TESTS

To be performed in addition to those applicable in K1001.

| | Test Conditions<br>Total Bridge Current (mA) | Test | Limits<br>Min. | <br>Max. | No. Tested | Note |
|---|---|---|---|---|---|---|
| a | 4 | Resistance (ohms) | 5.89 | 7.2 | 100% | 2 |
| b | 7 | Change in resistance from value in test 'a' (ohms) | 0.09 | - | 100% | 1<br>2 |

NOTES

1. This test is based on the Pirani Effect and is designed to reject leaking indicators.
2. The valve is to be tested in the bridge circuit shewn in Fig. 2.
3. The ambient temperature is to be 20°C approx.

FIG. 1.

| | | |
|---|---|---|
| FILAMENT WIRE DIAMETER (NOMINAL) | : | 0·01 MMS. |
| " " LENGTH " | : | 8·0 MMS. |
| DIMENSIONS OF TAG ATTACHED TO LEADS AND MICA (SEE FIG. 1A) | : | 1·7 x 2·3 MMS. WITHIN ± 5% |

FILAMENT LEADS TO BE NOT LESS THAN 3 CMS. LONG.
ALL DIMENSIONS IN MILLIMETRES.

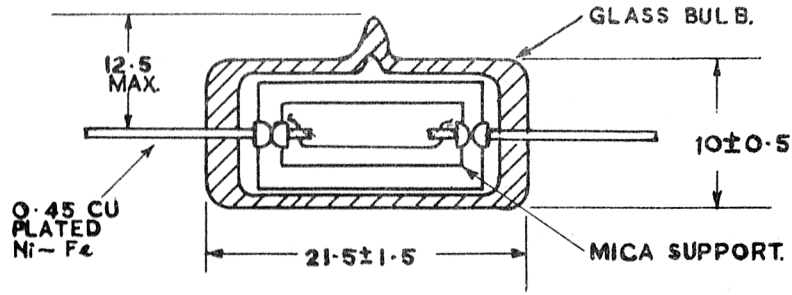



FIG. 1A
PART VIEW
SHOWING TAG DIMENSIONS.

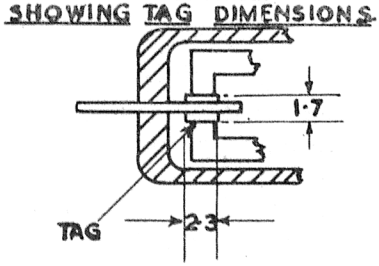
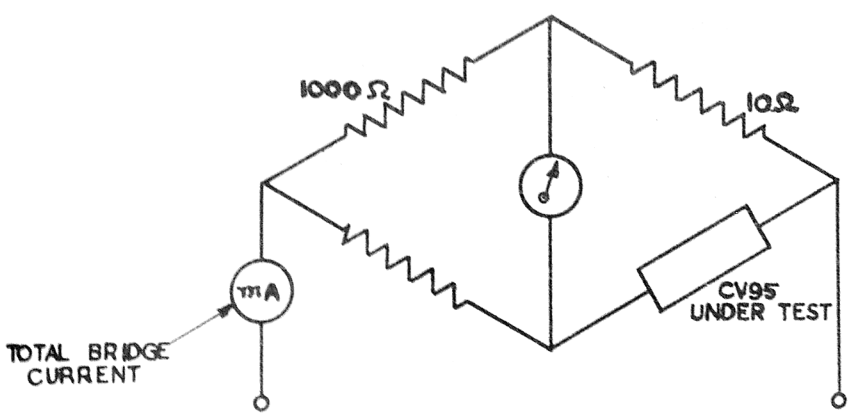
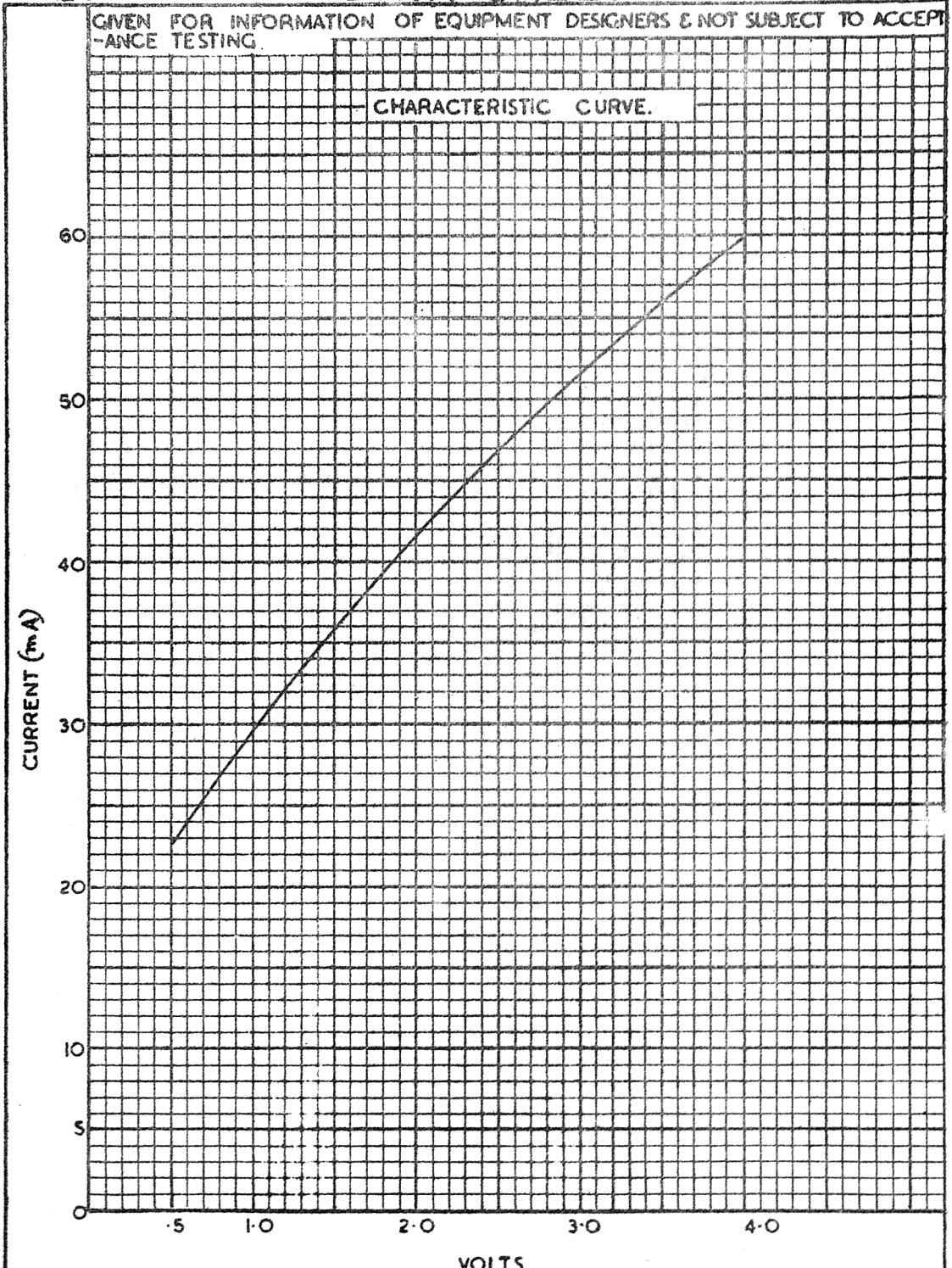



FIG 2.



# DATA SHEET CV95

GIVEN FOR INFORMATION OF EQUIPMENT DESIGNERS & NOT SUBJECT TO ACCEPT-ANCE TESTING.




SOURCE :- A.M.E.

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