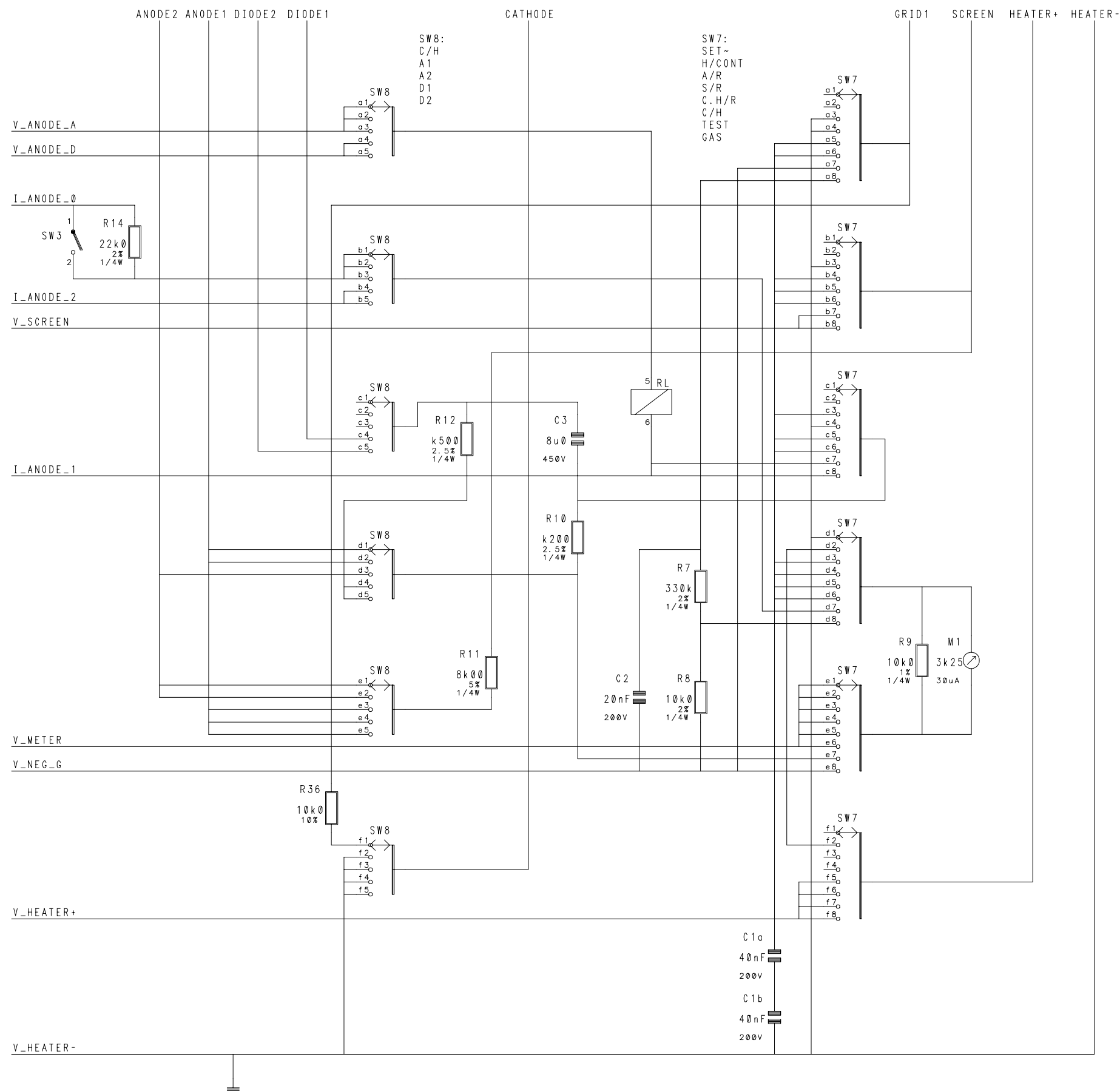


| | | | |
|----------------------------------|-----------|--------|---------------|
| AVO Valve Tester CT160 Supply | | | |
| Frank Philipse | SIZE: A2 | CODE: | CT160-1 |
| | DRANW: FP | DATE: | 010128 021226 |
| | CHECK: FP | SHEET: | 1 of 2 |



| | | | |
|-------------------------------|-----------|--------|---------------|
| AVO Valve Tester CT160 Select | | | |
| Frank Philipse | SIZE: A2 | CODE: | CT160-2 |
| | DRANW: FP | DATE: | 010217 021226 |
| | CHECK: FP | SHEET: | 2 of 2 |

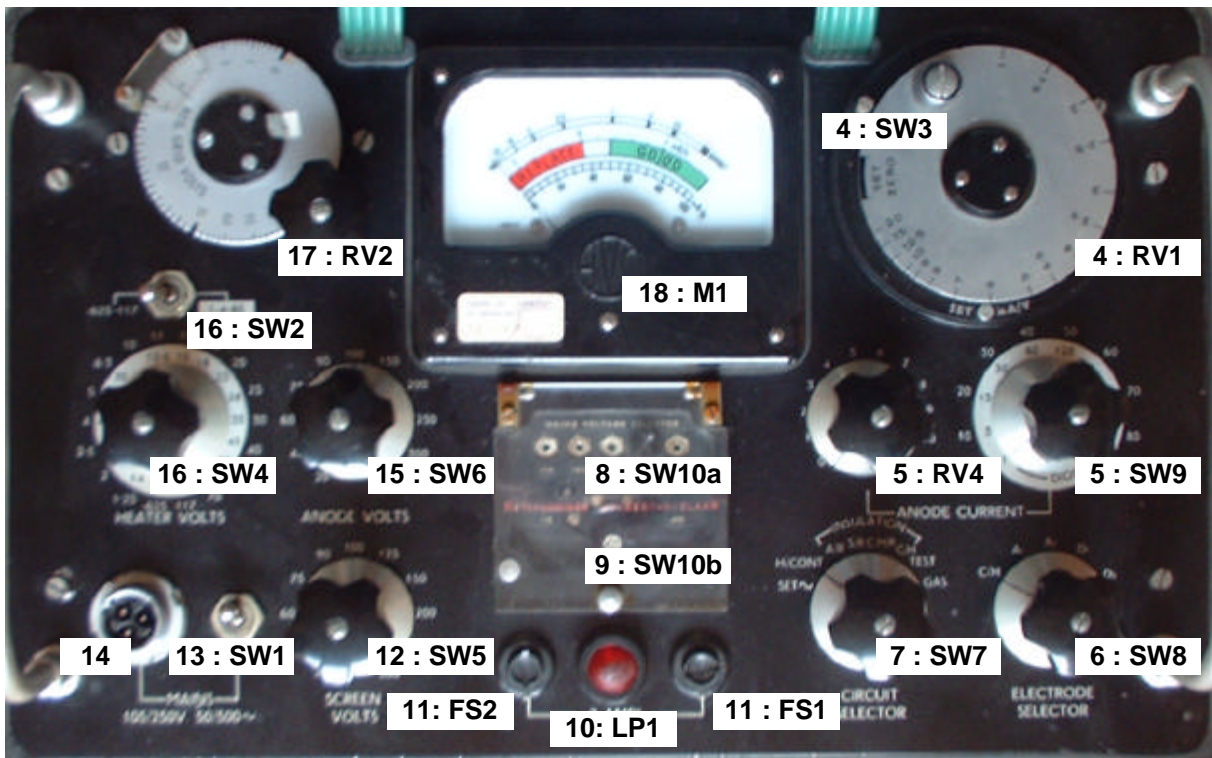


Figure 1

Table 1 Key to Figure 1

| pos. | Circuit ref. | Description |
|------|--------------|----------------------------------|
| 1 | | Roller Selector Switch |
| 2 | | Disc Seal Valve Holders |
| 3 | | Top Cap Connector Panel |
| 4 | RV1 | Set mA/V Control |
| 5 | RV4, SW9 | Anode Current Controls |
| 6 | SW8 | Electrode Selector |
| 7 | SW7 | Circuit Selector |
| 8 | SW10a | Mains Voltage Coarse Adjustment |
| 9 | SW10b | Mains Voltage Fine Adjustment |
| 10 | LP1 | Indicator Lamp |
| 11 | FS1, FS2 | Fuses |
| 12 | SW5 | Screen Voltage Switch |
| 13 | SW1 | Mains on/off Switch |
| 14 | | Mains Input Socket |
| 15 | SW6 | Anode Voltage Switch |
| 16 | SW2, SW4 | Heater Voltage Switches |
| 17 | RV2 | Negative Grid Volts Control |
| 18 | M1 | Panel Indicating Meter |
| 19 | | Anode Links |
| 20 | | Special Flying Lead Valve Holder |

Table 2 SW7 circuit selector

| pos | text | description |
|-----|---------|---|
| 1 | SET~ | Mains Voltage Check |
| 2 | H/CONT. | Heater Continuity (SW8=C/H) |
| 3 | A/R | Cold Insulation Check (SW8: A1, A2, D1, D2) |
| 4 | S/R | Cold Insulation Check (SW8: A1) |
| 5 | C.H/R | Hot Insulation Check (SW8: A1, D1, D2) |
| 6 | C/H | Hot Insulation Check (SW8=C/H) |
| 7 | TEST | |
| 8 | GAS | |

Table 3 SW8 electrode selector

| pos | text | description |
|-----|------|-------------|
| 1 | C/H | |
| 2 | A1 | |
| 3 | A2 | |
| 4 | D1 | |
| 5 | D2 | |

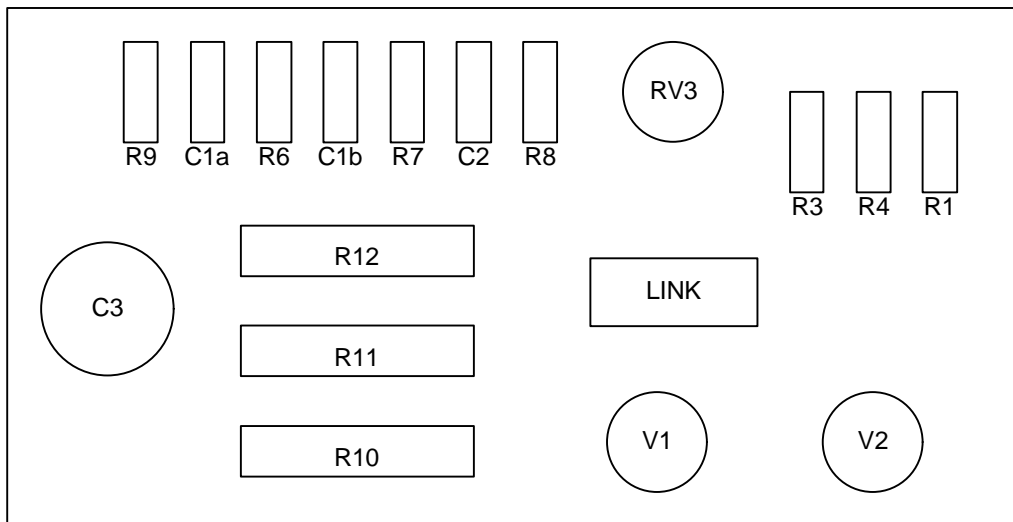


Figure 2 Component Board Assembly

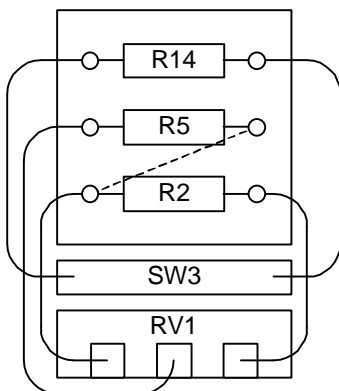


Figure 3 Set mA/V Assembly