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# APPENDIX C

## TROUBLESHOOTING

### 1) UNIT IS COMPLETELY DEAD

- 1.1) Check supply voltage is present on the rear connector
- 1.2) Check that supply voltage corresponds with voltage stated on the top of the instrument
- 1.3) Consult service manual for instructions on replacing internal fuse

### 2) INCORRECT READING

- 2.1) Check that the unit is set up for the correct sensor type
- 2.2) Check that the Engineering range has been set correct for voltage and current and correct units for temperature sensors.
- 2.3) Check that thermocouples have correct compensation cable and the polarity is correct.
- 2.4) Check that all three wires are connected properly for an RTD.

### 3) UNDER/OVER RANGE

- 3.1) Check that the sensor wiring is correct.
- 3.2) Check that voltage/current sensor is not open circuit
- 3.3) Check that the unit is set up for correct sensor

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## 4) ERROR CODES

Several error codes may appear due to the internal self checking of the instrument. These indicate serious faults which cannot be rectified by the user. In the event of these codes being displayed, the unit should be returned to the supplier.

The Error Codes are as follows:

<b>Err 01</b>	Non Volatile memory failure
<b>Err 02</b>	Ram decode error
<b>Err 03</b>	Ram size unrecognised
<b>Err 04</b>	Input card Error
<b>Err 05</b>	EPROM Checksum error
<b>Err 06</b>	RAM fault
<b>Err 07</b>	Calibration data corruption fault