CALIBRATION METHOD

- Adjust Vref (P1) 700 to 1600
- Feed 6.74MV, adjust reading to 700 + RT using OP07 gain
- Reduce R8 if required to reduce RTC further
- Use a 10K offset pot for OP07 if RT setting pot P1 goes out of range
- Accuracy in range is +/- 0.2% +/- 2 deg
- Linearity +/- 0.15% +/- 2 deg
- Accuracy below 700 is +/- 1% +/- 3 deg
- Linearity +/- 1% +/- 6 deg

NOTES

- This circuit is only used in the above given range
- Accuracy in range is +/- 0.2% +/- 2 deg
- Linearity +/- 0.15% +/- 2 deg
- Accuracy below 700 is +/- 1% +/- 3 deg
- Linearity +/- 1% +/- 6 deg

PERFORMANCE

- This circuit is only used in the above given range
- Accuracy in range is +/- 0.2% +/- 2 deg
- Linearity +/- 0.15% +/- 2 deg
- Accuracy below 700 is +/- 1% +/- 3 deg
- Linearity +/- 1% +/- 6 deg

- Replace R22p by 5K trim pot
- Adjust Vref pin 36 of 7107 to 0.9v not 1.00v
- OP07 RF was 200K, OP07 RI was 330K + 1K trim pot
- Reduce R8 if required to reduce RTC further
- Use a 10K offset pot for OP07 if RT setting pot P1 goes out of range
- This is the LTV pot for OP07

- OP07 offset was 2X10K + 1K preset, use 10K preset for coarse action
- Accuracy in range is +/- 0.2% +/- 2 deg
- Linearity +/- 0.15% +/- 2 deg
- Accuracy below 700 is +/- 1% +/- 3 deg
- Linearity +/- 1% +/- 6 deg