

## NOTES ON ECD CONTACT POTENTIAL

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Contact potential will improve both linearity and dynamic range.

To set contact potential the detector has to have gas flowing through the cell be heated and at equilibrium.

Set Range to 1, Autozero to OFF, Cell current to ZERO,

Set the Contact Potential to -750mv. This will turn off the pulser circuit. Signal value should be close to -12.7mv. This is your target value. Note this reading.

Set C.P. to a high positive number i.e. 500mv, allow the signal value to respond.

Lower the C.P. by 100's until the signal becomes the target value.

Go back to the pervious 100's value and reduce the C.P. by 10's until the signal is 0.5mv greater than the target value.

This is the Contact Potential value you should use for best results.