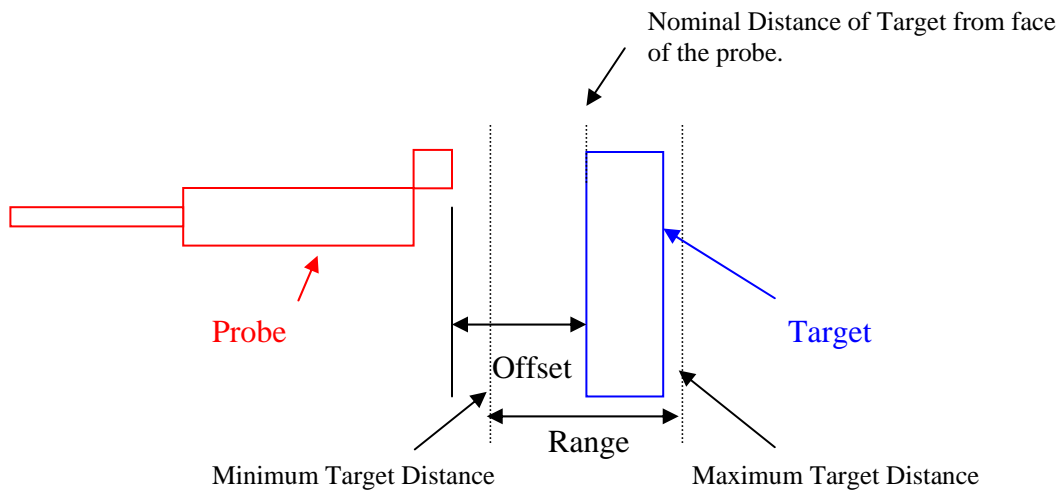


## Instructions for Use



## Setup Procedure

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The Purpose of this procedure is to provide a method of fine-tuning the probe to a desired range (eg:  $\pm 6.5\text{VDC}$ )

1. Connect +15VDC to the Eddy Current Sensor Board.
  2. Use an Oscilloscope to monitor the output (Channel 2) of the Sensor Board.
  3. Adjust the Offset and Gain adjustments of the Eddy Current Sensor to the desired range. Please refer the above figure.
  4. Connect a meter and verify the output range of each Eddy Current Sensor to be approximately  $\pm 6.5\text{VDC}$ . Please refer to the calibration data of the ECS98S Data Sheets.
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## Range

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$$\text{Range} = (\text{Maximum Target Distance}) - (\text{Minimum Target Distance})$$

$$\text{Offset} = (\text{Minimum Target Distance}) + (\text{Range}/2)$$