



Precision weighing instruments since 1880

## Application Note

### Calibration of pH/mV Circuit

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Denver Instrument does not have any requirements as to how often the pH/mV circuit in the instrument needs to be calibrated. This requirement is typically determined by individual companies who own our equipment.

However a regular checking of the pH/mV circuit of the instrument is recommended. First, put the electrode in mV mode. Then remove the electrode and place the shorting cap (metal BNC connector that should be hanging off the back of the BNC input) on the meter. The reading should be 0.1 mV +/- 0.1 mV per month since the last calibration. If this number is greater than 10 mV calibration is recommend. You also can attach a calibrated, precision voltage source and check the mV readings across the entire mV range. An instrument service company can also be hired to perform this validation. They often will provide "calibration" stickers that note the instrument is still within specification.

Our factory is the only location where you can get the instrument calibrated. The calibration fee includes a certificate with the instrument model, serial number, date and a statement that Denver Instrument used NIST traceable equipment for the calibration. To schedule calibration services please call electrochemistry technical support at the above numbers.