

Introduction

The sensing surface of some solid-state electrodes passivate in time, causing drift, poor reproducibility and loss of response at low levels. The electrode can be restored to good operating condition by polishing the sensing surface with an abrasive strip. Polish the electrode before you first use it and when its performance deteriorates. The strip can also be used on solid-state electrodes (bromide, chloride, cyanide, iodide, copper, cadmium and lead) if the surface has been etched or chemically poisoned.

1. Cut off a 1 inch length of the polishing strip.
2. Hold the electrode with the sensing surface facing upwards.
3. Place a few drops of distilled water on the sensing surface of the electrode.
4. With the frosted side down, place the polishing strip on the sensing surface using light finger pressure.
5. Rotate the electrode for about 30 seconds on the polishing strip.
6. Rinse and soak the electrode in a 1 ppm or 10^{-5} M standard solution for about five to ten minutes before use.

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