

## Operating Instructions for Lab pH puncture electrode LE427

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Subject to technical changes and to the availability  
of the accessories supplied with the instruments.  
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The METTLER TOLEDO LE427 pH puncture electrode is intended for pH measurement of food and other solids. Thanks to the protective plastic cover around the glass shaft it gives you more safety when working with food and other critical samples.

It is necessary for customers to operate as follows:

1. When unpacking, please check electrode carefully for possible mechanical damage to the membrane, the diaphragm or the body.
2. Take off watering cap and rinse electrode with distilled water. Then wipe the electrode with a tissue. Do not rub as an increase of the response time might result.
3. Eliminate any air bubbles inside the membrane space of the measuring electrode by smoothly shaking it the vertical plane.
4. To renew a dried out glass membrane, soak it for several hours in the appropriate storage solution. It is recommended to store glass electrodes, combined and reference electrodes in the reference electrolyte solution (as under 6).

5. After a long and dry storage period, the glass membrane can be activated with hydrofluoric acid (code No.51340073): dip the electrode membrane in this solution for 1 min, followed by rinsing with distilled water and soaking for 12 hours in the storage solution.

6. For storage we recommend a solution of 3 mol/l KCl.

**Order No.**  
51340333

LE427

### Specifications

pH range: 1–11 pH  
Temperature range: 0–50°C  
Type of frit: Ceramic  
Cable and connections: 1.2m, BNC  
Dimensions in mm

