

Operating Instructions for Lab pH electrode LE420

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Subject to technical changes and to the availability
of the accessories supplied with the instruments.

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1. When unpacking, check electrode for possible mechanical damage to the membrane, the diaphragm or the body, electrodes subject to complaints must be returned to our agent in the original box indication the invoice number.
2. Take off watering cap and flush electrode with distilled water. After rinsing with distilled water, wipe the electrode with a tissue. Do not rub as an increase of the response time might result.
3. Turn sealing cover to ensure electrode inside pressure equalization with the atmosphere.
4. Eliminate any air bubbles inside the membrane space of the measuring electrode by smoothly swinging the unit in the vertical plane. The lead-off element of glass electrode must dip into the inner buffer solution without any air bubbles.
5. Plug in and fasten the BNC connector to the socket on pH meter. Connect the temperature sensor if necessary.
6. To renew a dried out glass membrane, soak it for several hours in an appropriate storage solution. The reference electrolyte solution is recommended as item 8.
7. Electrodes with ground sleeve diaphragm: Slightly lift the ground sleeve so that some reference electrolyte drops out.
8. After a long and dry storage period, the glass membrane can be activated with hydrofluoric acid (order 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.
9. Check level of electrolyte which should be approx. 10mm below refilling aperture. If necessary, refill with 3M KCl solution. (Order No. ME 51340049)

Order No. 51340332

Specifications

pH range: 0-14pH
Temperature-range: 0-80°C
Type of frit: Teflon/Glass ground
Cable and connections: 1 m, BNC
Shaft lengths: 120mm
Shaft diameter: 12mm

Storage

short term: 3M KCl, buffer pH 4 or 7
long term: 3M KCl in watering cap

