

#### **QUICK PREP**

#### Fill with KNO<sub>3</sub>

Slide cover-sleeve down to expose fill-hole Fill chamber with 10% KNO<sub>3</sub> or 3M KCI\* solution

Press and release cap to allow junction to fill with solution

Top off chamber if necessary

# Soak overnight in pH 4.01 buffer solution

Drain and refill with KNO<sub>3</sub> or KCI\*
Rinse

#### **OPERATION**

#### Calibration

Perform a two-point calibration with fresh buffer solutions

#### Use

Rinse with de-ionized or distilled water between measurements

Press cap to flush reference junction with filling solution after problem samples (and refill reservoir if empty)

#### Storage

Soak in pH electrode storage solution or 4.01 buffer solution

\*3M KCl solution = 225 g KCl per 1 L H<sub>2</sub>O



# **MAINTENANCE**

#### Disassembly

Unscrew cap and remove black retaining ring Unscrew cap-body and slide it (along with the spring) back from the main assembly Push the internal element out of the body to expose the tapered reference junction

# Cleaning

Wash the junction with dish-soap and warm tap water (do not use solvents) Rinse with de-ionized or distilled water

#### Assembly

Gently pull cable to re-seat the junction inside the electrode body

Replace the spring and cap-body and re-thread the cap-body for a snug but not over-tightened fit

Replace the black retaining ring and route the cable through its groove

Screw on the cap

# Long-Term Storage

Drain reservoir

Flush with de-ionized or distilled water Ensure reservoir and junction are dry and cover electrode with protective guard