



Clean & CAL pH Sensor Mount configured with a Hach Differential Probe

Frequently Asked Questions:

Clean & CAL pH Sensor Mount

What Hach® probes are compatible with this mount?

The Clean & CAL pH Sensor Mount is compatible with Hach's convertible-style, online pHD and ORP sensors. The following model probes are compatible: DPD1P1; DPD1P3; DPD1R1; DPD1R3; DRD1P5; DRD1P6; DRD1R5; DRD1R6; PD1P1; PD1P3; PD1R1; PD1R3; RD1P5; RD1P6; RD1R5; RD1R6.

Is this mount automated (i.e., digital, touch-free)?

The Clean & CAL pH Sensor Mount makes the whole process of cleaning and calibrating the probe easier; however, it is not automated. The operator must manually adjust a small number of toggles and valves to control the flow of cleaning and calibration solutions.

How long do the reagents last?

Reagent use is dependent on frequency of cleaning and calibration. The provided collapsible solution containers are 1000 mL (1L) in volume. Hach sells the solutions separately from the mount, in either 500 mL or 4L bottles. Assuming you use each solution twice a week and the volume dispensed was 20 mL (it takes 15 mL to fill the flow cell), then the solutions would last 25 weeks. Part numbers for reagent purchases can be found in the Clean & CAL pH Sensor Mount Datasheet or User Manual.

Does this product come with a backing panel?

A panel can be purchased separately that has pre-drilled holes for wall-mounting as well as attaching a Hach-brand sc controller (e.g. SC4500). The panel part number is 100763. Please note that this accessory panel does not come with wall-mounting bolts because each installation location/support material is unique!

How long does it take to set up?

Full installation takes approximately 50 minutes. This is assuming you have either purchased a pre-drilled backing panel from Hach, or fashioned your own, and have the necessary basic tools such as 7/16th wrench, a Phillips screwdriver, and PTFE tape.

What parts can I replace by myself?

Nearly every part of the assembly can be replaced. Replaceable parts: 100756 (manifold assembly), 100755 (container set with solution labels), 100754 (3.048m / 10ft of tubing), 100731 (container cap), 100732 (coupling body), 100734 (barbed fitting), 100741 (elbow fitting), 100727 (flow cell valve), 100742 (inlet/drain valve), 6166300 (vent and wash valve), 100720 (circuit board), 100749 (battery pack), 8980000 (power adapter), 100729 (tee fitting), 9504700 (USB cable). Non-replaceable parts: the acrylic manifold block, the lens, the toggle valves, the labels (if any labels need replacing, you must purchase the complete 100756 manifold assembly) and the metal container shelf.

Does Hach offer service contracts on this mount?

Hach does not offer service on the Clean & CAL pH Sensor Mount itself but does offer service on the probes. Consult with your local Hach Sales or Service representative for available probe coverage options.

How long does the battery pack last?

The battery pack lasts approximately 200 hours (or eight days of continuous use) and can be recharged in approximately four hours.

Is my sample water appropriate for the Clean & CAL pH Sensor Mount?

With regular maintenance (using the integrated acid clean and spray from the internal rinse nozzle) the electrode and internal chambers of the acrylic block can remain clean for weeks at a time, especially when the water sample is cleaner. More turbid or abrasive water samples will naturally necessitate regular manual brush cleanings to remove bio-film or particulate build up.

How often will I need to clean the mount itself (not the probe)?

This depends on the turbidity of your sample (see previous question). To maintain the best viewing experience, we recommend that you clean it once a month or as needed. Cleaning is necessary if you see particulate buildup or mineral deposits blocking or discoloring any of the wetted channels. Clean it with a narrow soft bristle tube brush (not included.)

Can I use different pH buffers and cleaning solutions than what are labeled on the refillable containers?

Yes, other pH buffer concentrations (for example, a pH 10 instead of pH 4) and cleaning solutions (for example, Hach Electrode Cleaning Solution instead of the dilute acid), can be used to match your current SOPs. Hach does not provide a separate set of labels for different combinations of buffer solutions. The labels on the refillable containers are removable stickers and you can replace with your own markings or labels. Stickers for other pH values (like a sticker for pH 10) are not included.

What angle is the probe positioned at?

The probe is inclined at 15 degrees above the horizontal plane to allow the internal reference gel to remain in contact with necessary internal components for accurate measurements.

For assistance with questions not answered here please consult the product data sheet, user manual or Hach Technical Support.

