

HI 3220 • HI 3221 • HI 3222

pH/ORP/ISE Graphic LCD pH Benchtop Meters

- One or two input channels
- pH Calibration Check™
- Five point pH calibration with seven standard and five custom buffers
- Stability, interval and log on demand logging
- Up to 400 log on demand records and 600 automatic logging records
- Messages on the graphic LCD for an easy and accurate calibration
- Multi-language support
- GLP features
- PC interface via USB



HANNA's HI 3220, HI 3221 and HI 3222 benchtop instruments feature up to five point pH calibration with a choice of five custom buffers and seven standard buffers.

HI 3222, HI 3221 and HI 3220 feature an interactive user support interface that assists you before, during and after measurement. On-screen tutorials guide users through set-up, calibration and measurement while context sensitive help of any screen is available at a push of a button. The help screen includes language specific assistance for menu parameters, calibration, logging, contact and accessory information for your instrument.

These instruments feature HANNA's exclusive Calibration Check™, a diagnostics system that ensures accurate pH readings every time. By alerting users of potential problems during the calibration process, the Calibration Check™ system eliminates erroneous readings due to dirty or faulty pH electrodes or contaminated pH

buffer solutions during calibration. Throughout the calibration process, users are guided step-by-step by the on-screen tutorial. After calibration, the probe condition is evaluated and an indicator is displayed informing the user of the overall pH electrode status.

Both the HI 3220 and HI 3221 are equipped with one input channel. HI 3222 is equipped with two input channels for simultaneous measurements. Having these two channels eliminates the need for swapping probes and recalibrating.

These instruments can measure using ORP electrodes (pH channel input), thanks to their capability to measure mV with a resolution up to 0.1 mV. The HI 3221 and HI 3222 can use ISE electrodes in the ppm scale (pH channel input) and provides a choice of measurement units (ppb, ppm, molarity, weight/volume %). The electrode type and unit selection capability and the ISE calibration in up to five calibration standard solutions (HI 3222 only) make these instruments very useful for a large range of concentration solutions measurements.