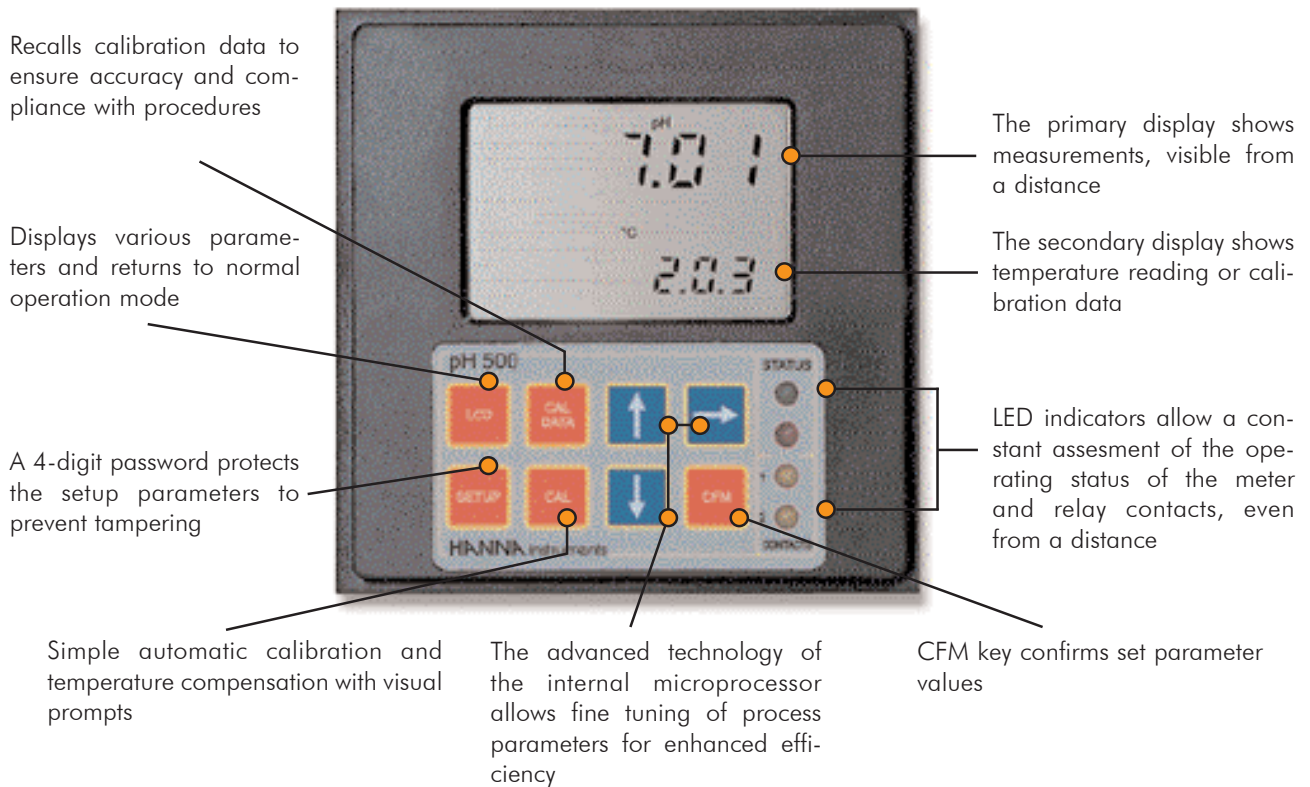


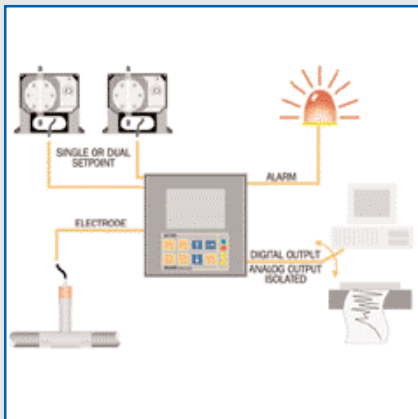
pH 500, pH 502, mV 600, mV 602, HI 700 and HI 710 Series.
Sophisticated Technology on the Inside, Simplicity of Use on the Outside



Additional Keyboard Functions



- Two ID numbers to identify a specific process in a particular factory
- High and low setpoints can be adjusted with 0.01 pH, 1 mV, 0.1 μ S and 0.01 ppm resolution
- The hysteresis bands in ON/OFF controls can be regulated with 0.01 pH, 1 mV, 0.1 μ S and 0.01 ppm resolution
- The span in proportional controls can be fine tuned in all measurement ranges
- Setting of the reset and rate times for models with PID control
- Two independent alarm bands for high and low setpoints to guarantee a timely warning
- Choose the max. time the relay contacts may remain closed before the alarm is triggered
- Setting of the analog output range (mA or Vdc) and corresponding measurement ranges (pH, mV, EC and TDS)



State-of-the-Art Microprocessor pH, mV, Conductivity and TDS Controllers

The HANNA instruments® line of industrial microprocessor-based controllers offer a multitude of features such as single and dual setpoints, ON/OFF, proportional and PID control, relay outputs, user-selectable zoom, bidirectional isolated RS232, RS485 port, isolated recorder outputs in mAmps and Volts, and much more.

Simple to Use

The large, dual-level LCD shows both pH (or mV) or EC (or TDS) and temperature and guides operators through calibration and programming with step-by-step prompts. The choice of ON/OFF, proportional and PID control provides extra versatility and makes it possible to pick the process controller that best fits your application. Keeping track of multiple controllers in different plants is made easy. These advanced controllers can be identified with both a factory and a process ID.

Fail-Safe Protection

The Fail-Safe alarms protect processes against critical errors arising from power interruptions, surges and human errors. The sophisticated yet easy-to-use system resolves these problems on two fronts: hardware and software. To eliminate blackout and line failure problems, the alarm function operates in a "Normally Closed" state and goes off if the wires are accidentally tripped, or when the power is down. This is an important feature since with most meters the alarm terminals close in abnormal situations, but no alarm is sounded with a line interruption, causing extensive damage. With our controllers, software is employed to set off the alarm in abnormal circumstances, for example, if the dosing terminals are closed too long. In any case, the alarm message is also displayed on the LCD.

Save Money with Custom Programs

These series of controllers put a host of parameters at your disposal to prevent overdosing or costly system failures. You can set your high and low set point hysteresis bands independently to fine tune dosing processes with the ON/OFF controllers. Similarly, the proportional band and time period are user-programmable to save on slow reacting chemicals, which are commonly overdosed.

Moreover, the pH 502 and mV 602 series includes models with PID (Proportional Integrative Derivative) control. All models offer an adjustable timer from 10 minutes to 7 days as the maximum time that the relay contacts may remain closed. An important feature in case of sudden chemical depletion. In addition, a contact for level control ensures proper functioning of the process.

Galvanically Isolated Outputs with Zoom

Some models incorporate hardware selectable isolated current or voltage output. These can drive auxiliary devices, chart recorders and provide remote monitoring. Users can also zoom on to any 2 points from the full measurement scale. These lines of industrial controllers include models that provide control through analog output. Now any compatible device such as electrovalves or pumps may be driven with these advanced controllers.

Password Protection

HANNA instruments® password protection feature keeps these controllers safe from tampering. Only users with the proper password can change the settings of these hi-tech controllers.