**Features**

**Four working modes: potentiometric titrator, pH meter, mV meter, and ISE meter:**

- **Potentiometric titrator**
  - Linked titration methods allow two methods to run in sequence
  - Supports up to 100 titration methods (standard and user defined)
  - Acid/base, non-aqueous, ORP, complexation, back, precipitation titrations and titre determination can be performed
  - Pre-programmed methods or create your own
  - Titration graph can be displayed on-screen and saved as a bitmap
  - Choice of endpoint detection: equivalence point (1st or 2nd derivative) or fixed pH/mV value
  - Reminders for titrant age and standardization expiration
  - Multiple end-point titrations with multiple molecular weights and reaction ratios
  - Two sensor inputs with the addition of a second analog board
  - Supports two burette dosing pumps with the ability to perform back titrations
  - Clip-Lock exchangeable burette system enables users to exchange burettes in a matter of seconds
  - 25 mL precision ground glass syringe with PTFE plunger
  - 40,000 step screw drive, piston dosing pump that can deliver as little as 0.125 µL a dose

- **Full featured research grade pH meter**
  - Automatic Temperature Compensation
  - Up to five calibration points with auto recognition of standard buffers
  - Up to five custom buffers can be used for calibration

- **mV (ORP) meter**
  - Relative mV calibration

- **ISE meter**
  - Numerous concentration units including: mol/L, mmol/L, mg/L, mg/mL, µg/L, %, ppt, ppm, g/L, and user defined
  - Up to five calibration points with five custom standards

- **Intuitive user interface**
  - USB port allows for the transfer of methods and reports to a PC or another titrator via USB flash drive
  - User upgradable software
  - Available with 1 or 2 probe inputs
  - RS232 port allows direct connection to an analytical laboratory balance
  - Multi language support

**HI 902C**

The HI 902C is an automatic titrator that complements our wide range of products dedicated to quick and accurate laboratory analysis.

The HI 902C can perform acid/base, potentiometric, ORP, complexometric, precipitation, back titrations and titre determinations.

It dispenses titrant, detects the endpoint and performs all necessary calculations automatically.

This versatile titrator supports up to 100 methods, standard or user defined. When powered on, the instrument initiates an internal diagnostics check and then readies itself for the first titration of the day. A large color LCD screen clearly shows the chosen method and related information. A real-time titration curve can be shown on the display; this feature is useful when new methods are tested or when a procedure needs to be optimized. At the end of the titration, all data, including the graph, are automatically stored in memory and can be copied via the built-in USB drive or through direct connection with a PC.

This titrator is supplied with pre-programmed methods or you can create your own. Methods (standard and user) can be upgraded, stored or deleted by connecting the titrator to a PC with Hanna software or a USB flash drive. Software updates can also be performed using a USB flash drive.

Users can connect pH, ORP or ISE electrodes to the HI 902C, as well as create a complete workstation with a PC, monitor, keyboard and printer.

The HI 902C complies with GLP specifications. All GLP information from each sample can be stored, including ID number, date and time of analysis, electrode ID code, and last calibration date.

The HI 902C also features Hanna’s exclusive Clip-Lock™ burette system. With Clip-Lock™, reagents burettes can be exchanged quickly and easily to perform different titrations. The Clip-Lock™ exchangeable burette system prevents cross contamination while reducing loss of time and reagents. Burettes simply slide out for quick exchange of titrant and burette for a separate titration method. No need to purge and then rinse with a new titrant.

Interrupting an important cycle of analysis due to a malfunctioning burette is a thing of the past. With the Hanna Clip-Lock™ system you can simply substitute the burette and complete all your tests with the same titrant!

Having several prepared burettes on hand will make the Hanna HI 902C one of the fastest and most versatile titration systems on the market.
**Versatile Data Management**

- HI 902C Series titration systems can be easily incorporated into any existing GLP data management program
- Easily record all necessary GLP information with every sample such as sample identification, company and operator name, date, time, electrode ID codes and calibration information
- Data can be transferred to a PC using the Hanna HI 900PC application
- The USB port allows for the easy transfer of methods, reports and software upgrades via USB flash drive
- Users can print reports of analyses directly from the titrator using a standard parallel printer
- An external monitor and keyboard can be attached for added versatility

**Customizable reports**

Titration reports are fully customizable

**HI 902C Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td></td>
</tr>
<tr>
<td>Range</td>
<td>-2.000 to 20.000 pH</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1 / 0.01 / 0.001 pH</td>
</tr>
<tr>
<td>Accuracy (@ 25°C)</td>
<td>±0.001 pH</td>
</tr>
<tr>
<td>Calibration</td>
<td>up to five point calibration, seven user standard solutions and five user defined standards</td>
</tr>
<tr>
<td><strong>ORP</strong></td>
<td></td>
</tr>
<tr>
<td>Range</td>
<td>-2000.0 to 2000.0 mV</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1 mV</td>
</tr>
<tr>
<td>Accuracy (@ 25°C)</td>
<td>±0.1 mV</td>
</tr>
<tr>
<td>Calibration</td>
<td>single point offset</td>
</tr>
<tr>
<td><strong>ISE</strong></td>
<td></td>
</tr>
<tr>
<td>Range</td>
<td>1 x 10⁻⁶ to 9.99 x 10¹⁰</td>
</tr>
<tr>
<td>Resolution</td>
<td>1.0, 0.1, 0.01</td>
</tr>
<tr>
<td>Accuracy (@ 25°C)</td>
<td>±0.5% monovalent; ±1% divalent</td>
</tr>
<tr>
<td>Calibration</td>
<td>up to five point calibration, seven standard solutions and five user defined standards</td>
</tr>
<tr>
<td>Calibration Units</td>
<td>ppm or M standards</td>
</tr>
<tr>
<td>Temperature</td>
<td>±0.1 °C / ±0.2 °F / ±0.1 K (excluding probe error)</td>
</tr>
</tbody>
</table>

**Ordering Information**

HI 902C1-01 (115V) titrator with one analog board; HI 902C1-02 (230V) titrator with one analog board; HI 902C2-01 (115V) titrator with two analog boards; HI 902C2-02 (230V) titrator with two analog boards. All models include stirrer with stand, 25 mL glass burette, dosing pump drive, temperature sensor, USB cable, 256 Mb USB flash drive and PC software.
We Design, Manufacture, Supply and Support All of Our Products.

When you buy a Hanna product, you're not only buying the best value for your money, but you're also receiving the benefit of Hanna's unsurpassed customer service and post-sale technical support.

With 60 offices in over 40 countries, Hanna dedicates itself to be a worldwide leader in service and selection.

Offering research grade quality at competitive prices, every Hanna office strives to work with each customer to develop a solution tailored to their needs, on their budget.