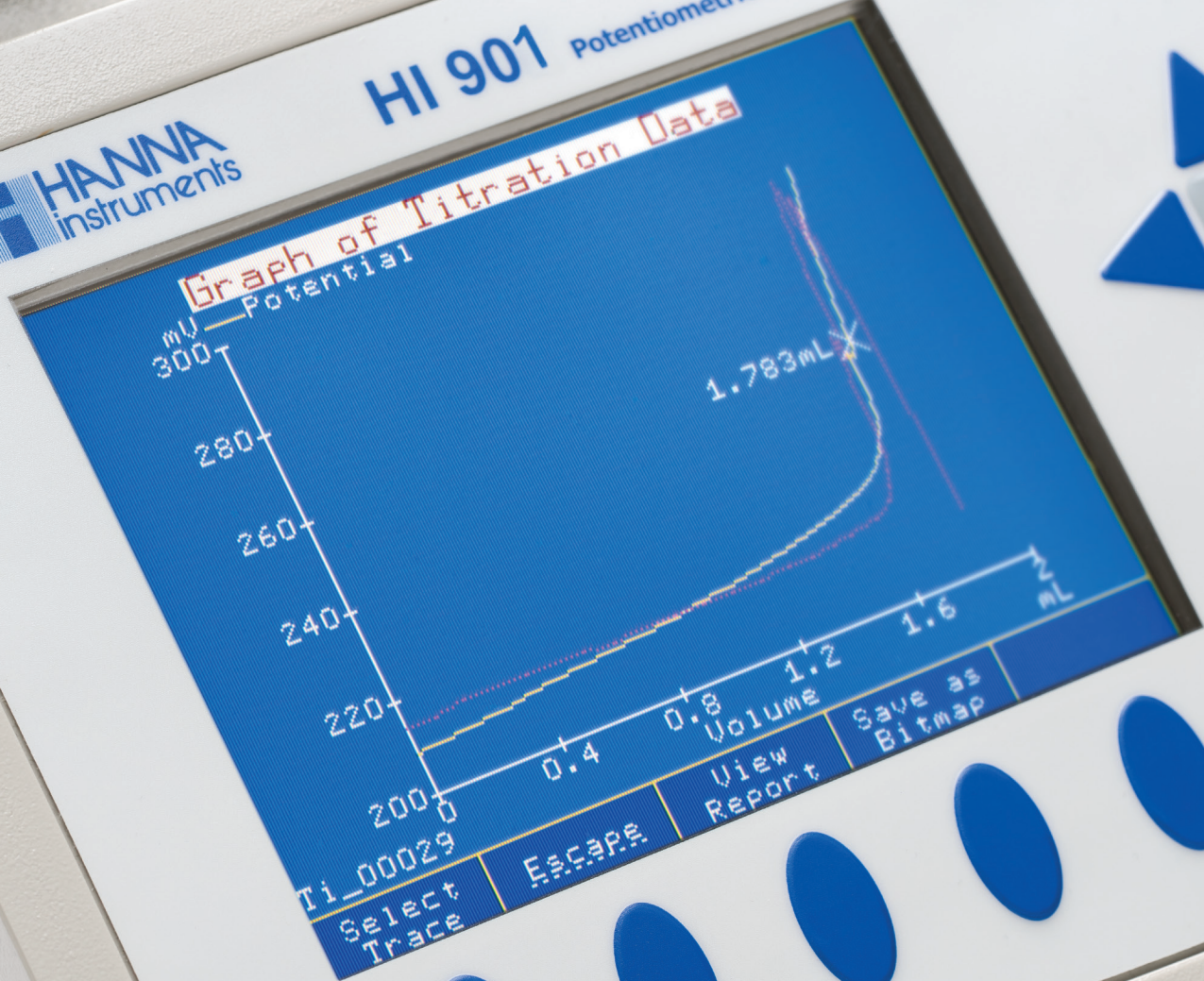


HANNA
instruments

HI 901 Potentiometer



HI901C

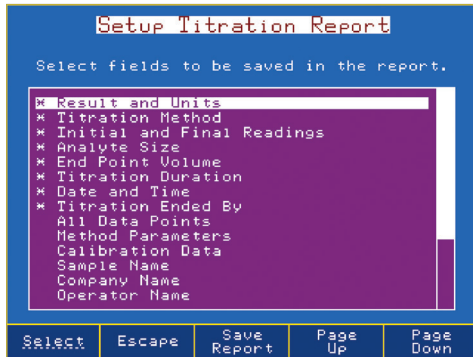
G]ghYa U'XY'H]hi`UM]C6'5i hca zh]Vt

HANNA[®]
instruments

Versatile Data Management

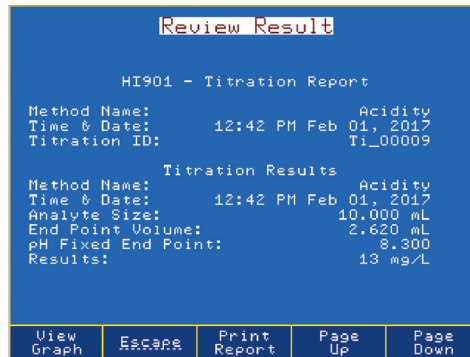
- HI901C titration system can be easily incorporated into any existing GLP data management program:
 - Easily record all necessary GLP information with every sample, such as sample identification, company and operator name, date, time, electrode ID codes and calibration information.

- Data can be transferred to a PC using Hanna HI900PC software
- 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



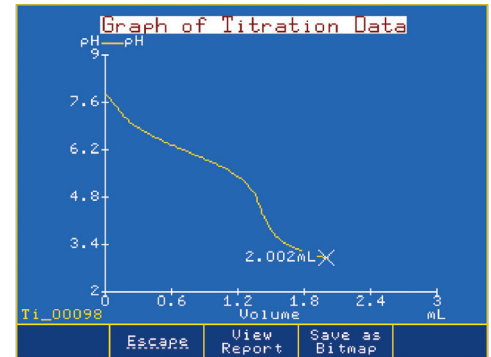
Customizable reports

Data to be stored in titration reports is fully customizable



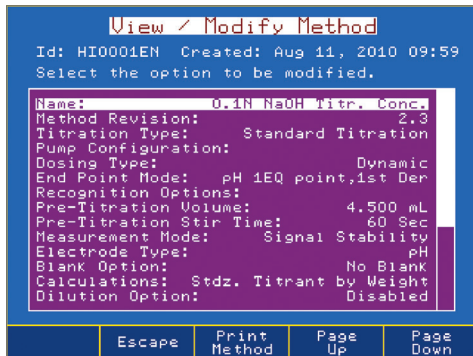
Titration reports

Titration or pH/mV/ISE results can be viewed on-screen or transferred to a USB flash drive or PC

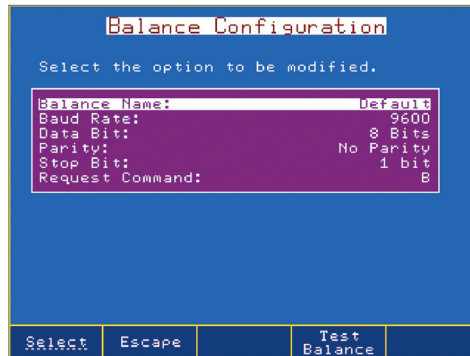


Titration graphs

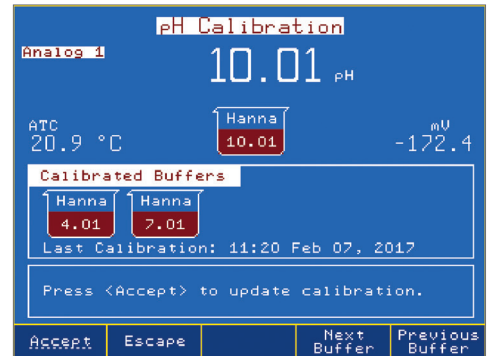
Titration graphs can be viewed on-screen or saved as images and transferred along with titration report



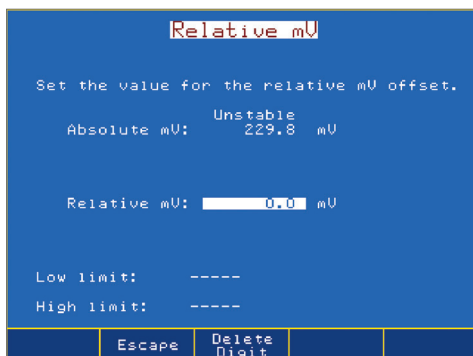
Fully customizable titration methods



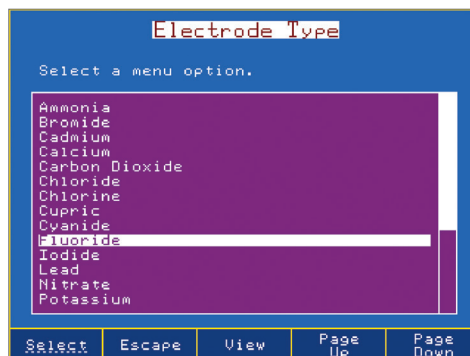
Fully configurable balance interface



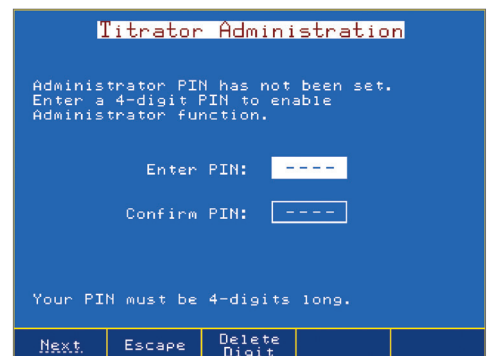
Up to five-point pH calibration with automatic buffer recognition



Relative mV calibration allows for a mV offset



Selectable ISEs preprogrammed with molecular weight and ion charge



A 4-digit numeric PIN can be set to prevent unauthorized changes from being made.

Specifications	HI901C1	HI901C2	
pH	Range	-2.0 to 20.0 pH; -2.00 to 20.00 pH; -2.000 to 20.000 pH	
	Resolution	0.1; 0.01; 0.001 pH	
	Accuracy (@25°C/77°F)	±0.001 pH	
	pH Calibration	up to five-point calibration, eight standard buffers and five custom buffers	
mV	Range	-2000.0 to 2000.0 mV	
	Resolution	0.1 mV	
	Accuracy (@25°C/77°F)	±0.1 mV	
	mV Calibration	single point offset	
ISE	Range	1•10 ⁻⁶ to 9.99•10 ¹⁰	
	Resolution	1; 0.1; 0.01	
	Accuracy (@25°C/77°F)	±0.5% monovalent; ±1% divalent	
	ISE Calibration	up to five-point calibration, seven standard solutions and five user-defined standards	
Temperature	Range	-5.0 to 105.0°C; 23.0 to 221.0°F; 268.2 to 378.2 K	
	Resolution	0.1°C; 0.1°F; 0.1K	
	Accuracy (@25°C/77°F)	±0.1°C; ±0.2°F; ±0.1K, excluding probe error	
Additional Specifications	Temperature Compensation	manual (MTC) or automatic (ATC)	
	Analog Board(s) Each Analog Board Provides: (1) BNC (pH/mV/ISE) Input, (1) Reference Input, (1) Temperature Input, (1) Stirrer Input	1	2
	Analog Board(s) Capability	1	2
	Dosing Pump Capability	2	2
	Burette Included	1 (25 mL)	1 (25 mL)
	Burette Size Capability	5, 10, 25 and 50 mL	
	Burette Resolution	1/40000	
	Display Resolution	0.001 mL	
	Dosing Accuracy	±0.1% of full burette volume	
	Methods	load up to 100 methods (standard and user-defined)	
	Potentiometric Titrations	acid-base, redox, precipitation, complexometric, non-aqueous, argentometric	
	Measurement Units	user-specified expression of concentration units to suit specific calculation requirements	
	Burette Auto-Detection	burette size is automatically recognized when inserted into the pump unit	
	Programmable Stirrer	overhead propeller type, 200-2500 RPM, resolution 100 RPM	
	Flow Rate	user-selectable from 0.1 mL/min to 2 x burette volume/min	
	Endpoint Determination	equivalence point (1st or 2nd derivative) or fixed pH/mV value	
	Real Time & Stored Graphs	mV-volume or pH-volume titration curve, 1st derivative curve or 2nd derivative curve pH mode, mV mode or ISE mode; pH/mV/concentration versus time	
	Display	5.7" (320 x 240 pixel) backlit color LCD	
	Languages	English, Portuguese, Spanish	
	Data Storage	up to 100 titration and pH/mV/ISE reports	
	USB Host (Side)	flash drive compatibility for transfers of methods and reports	
	Peripherals (Rear)	connections for VGA display, PC-keyboard, parallel printer, USB device input, RS232	
	GLP Conformity	instrumentation data storage and printing capabilities	
	Operating Environment	10 to 40°C (50 to 104°F), up to 95% RH	
	Storage Environment	-20 to 70°C (-4 to 158°F), up to 95% RH	
	Power	100-240 VAC "-01" models, US plug (type A); "-02" models, European plug (type C)	
	Dimensions	390 x 350 x 380 mm (15.3 x 13.8 x 14.9 in)	
	Weight	approximately 9 kg (20 lbs.) with one pump, stirrer and sensors	
	Ordering Information	<p>HI901C1-01 and HI901C1-02 includes titrator with one analog board, overhead propeller stirrer with stand, 25 mL glass burette, dosing pump, temperature sensor, USB cable, 256 MB USB flash drive and PC software.</p> <p>HI901C2-01 and HI901C2-02 includes titrator with two analog boards, overhead propeller stirrer with stand, 25 mL glass burette, dosing pump, temperature sensor, USB cable, 256 MB USB flash drive and PC software.</p>	

