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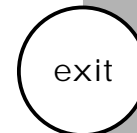
AR50

Dual Channel pH/Ion/Conductivity Meter

pH Setup

pH SETUP OPTIONS

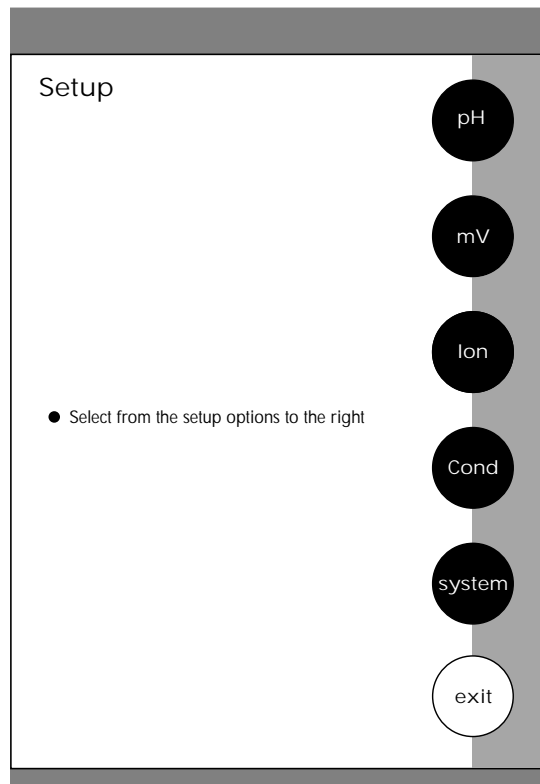
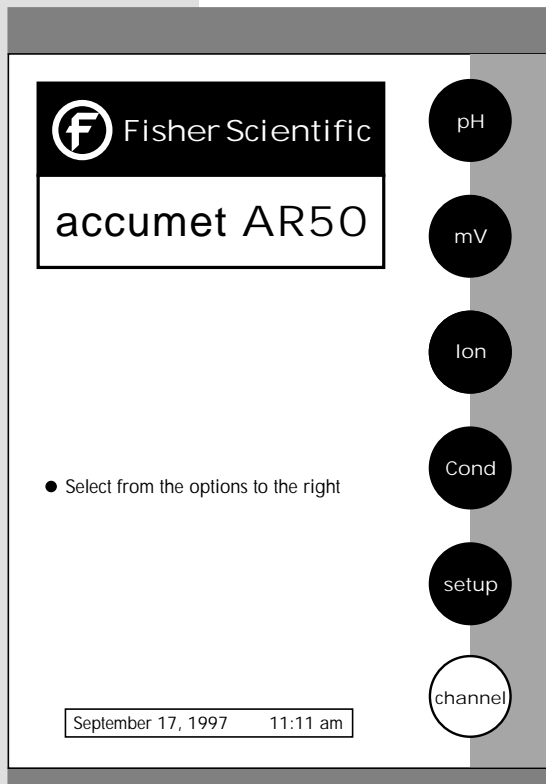
- Set Sample ID#
- Select Buffer Group
- Select Buffer Recognition
- Select Auto Read Mode
- Set pH Stability Criteria
- Set Default Temperature
- Set Isopotential Point
- Set Alarm Limits
- Set Print Criteria
- Set Print Interval
- Set Data Storage Criteria
- Set Display Resolution
- Set Display Configuration
- View Stored Data



Fisher Scientific

The operating parameters of the pH mode can be set and controlled from the pH Setup screen. The following sections will guide you through the various options available for the pH setup mode.

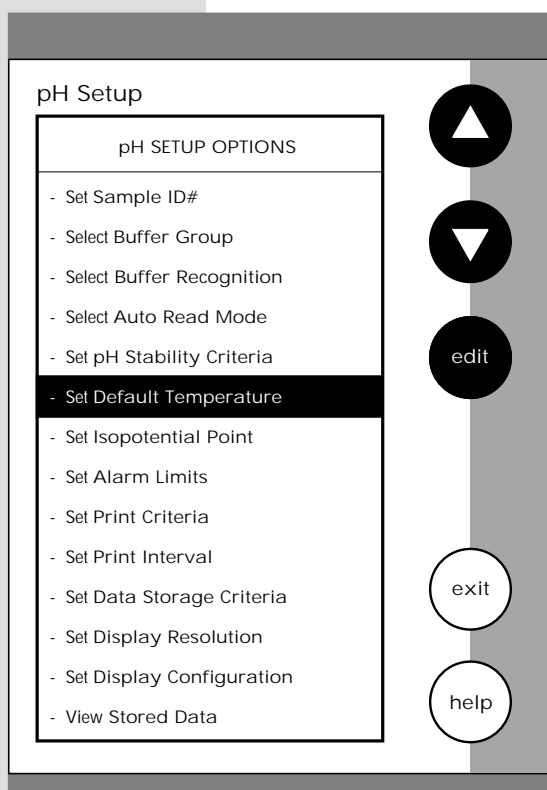
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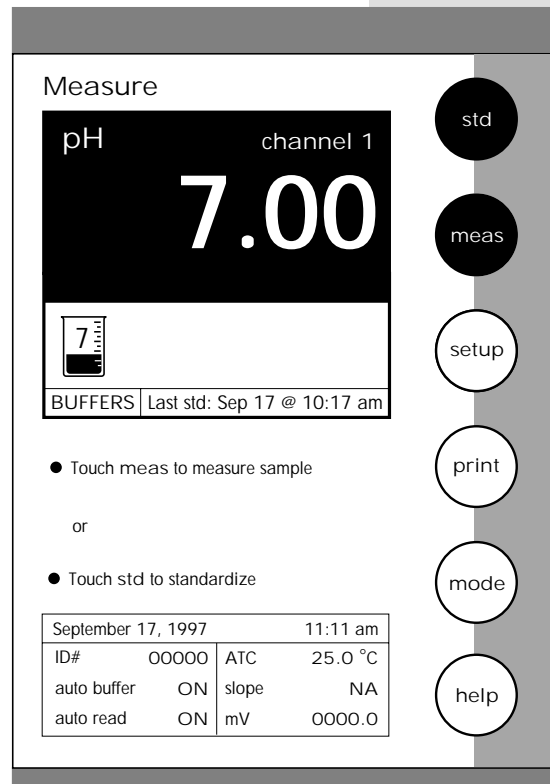
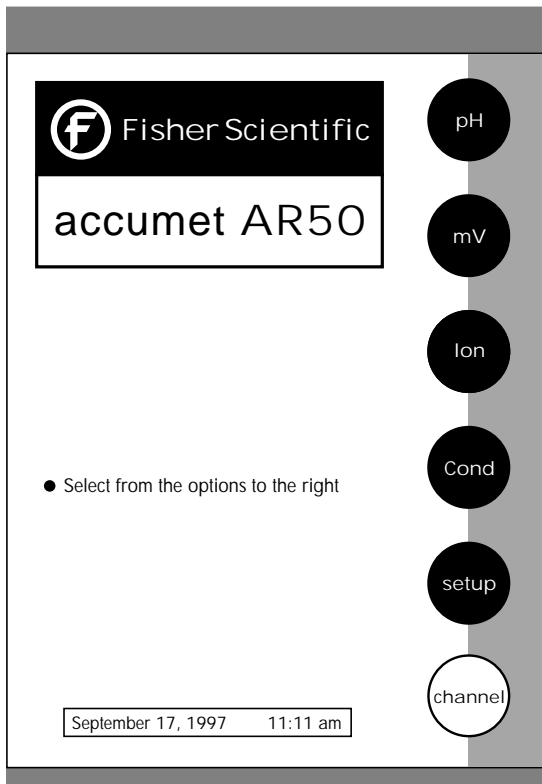


There are two ways to access the pH Setup screen.

From the Setup screen

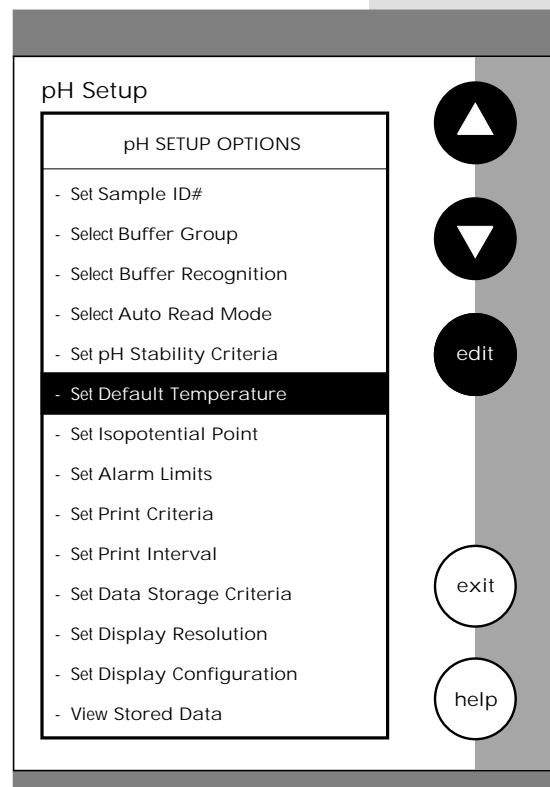
- 1** Touch setup on the main screen. Touch pH to access the pH Setup screen.
- 2** Use the arrow keys to highlight the setup option that you would like to review.
- 3** Touch edit to access the screen for the selected option.





From the pH Measure screen

- 1 Touch pH on the main screen to access the pH mode. Touch setup on the pH Measure screen. The pH Setup screen is now displayed.
- 2 Use the arrow keys to highlight the setup option that you would like to review.
- 3 Touch edit to access the screen for the selected option.



Set pH Sample ID#

Manual ID#			
A	B	C	1
D	E	F	2
G	H	I	3
J	K	L	4
M	N	O	5
P	Q	R	6
S	T	U	7
V	W	X	8
Y	Z	-	9
BS	/	.	0

enter

seq

clear

exit

help

When this option is active, each time you touch print on the Measure screen the pH value along with the date/time/channel and the sample ID# will be sent to data storage. (See Data Storage Criteria page 72 for additional information on saved parameters.) You can manually enter an alphanumeric identification number of up to 10 characters for any sample or you can have the meter sequentially number your samples beginning at the number of your choice. You may also choose to deactivate the sample ID#.

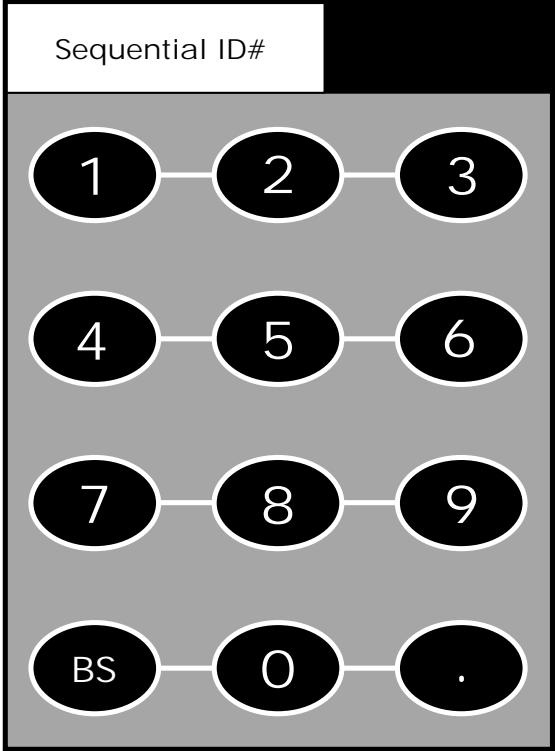
To Set Sample ID#

Manual ID# Assignment

- 1** Access the Set Sample ID# screen from the pH (mV, Ion, Conductivity) Setup screen.
- 2** Touch man for manual ID# entry. The current ID# is displayed on the screen.
- 3** Touch clear to delete the current ID#.
- 4** Use the alphanumeric keypad on the screen to enter the desired Sample ID#. The BS key will allow you to backspace to remove a character that was incorrectly entered.
- 5** Touch enter to accept the current ID# and return to the pH (mV, Ion, Conductivity) Setup screen.

Set pH Sample ID#

Sequential ID#



enter

man

clear

exit

help

- Touch clear to delete current ID
- Use numeric touchpad to input the new starting ID and then touch enter to accept

Sequential ID# Assignment

- 1** Access the Set Sample ID# screen from the pH (mV, Ion, Conductivity) Setup screen.
- 2** Touch seq for sequential ID# assignment. The current ID# is displayed on the screen.
- 3** Touch clear to delete the current ID#.
- 4** Use the alphanumeric keypad on the screen to enter the number that you would like your sequential ID# assignment to begin with. Every time you touch print on the Measure screen, the ID# will increase by 1. The BS key will allow you to backspace to remove a character that was incorrectly entered.
- 5** Touch enter to accept the first sequential ID# and return to the pH (mV, Ion, Conductivity) Setup screen.

OR

To Deactivate the Sample ID# Assignment

- 1** Access the Set Sample ID# screen from the pH (mV, Ion, Conductivity) Setup screen.
- 2** Touch man for manual ID# entry. The current ID# is displayed on the screen.
- 3** Touch clear to delete the current ID#.
- 4** Touch enter. The ID# assignment is now deactivated. No number will be assigned to your samples. The meter will return to the pH (mV, Ion, Conductivity) Setup screen.

OR

Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen without making any changes.



Remember, HELP is always just a touch of the button away.

Select pH Buffer Group

Current BUFFER GROUP

USA

2	4	7	10	12
---	---	---	----	----

- Use keys to display desired buffer group and then touch enter to accept

enter

EURO

NIST

custom

exit

help

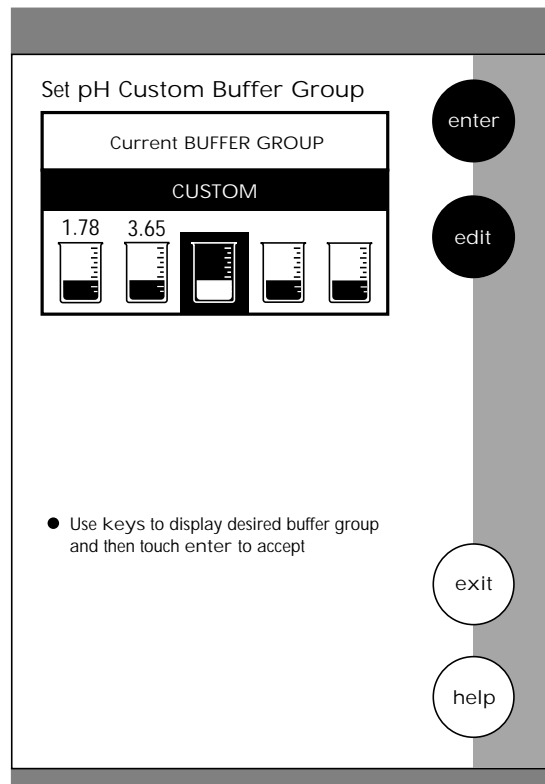
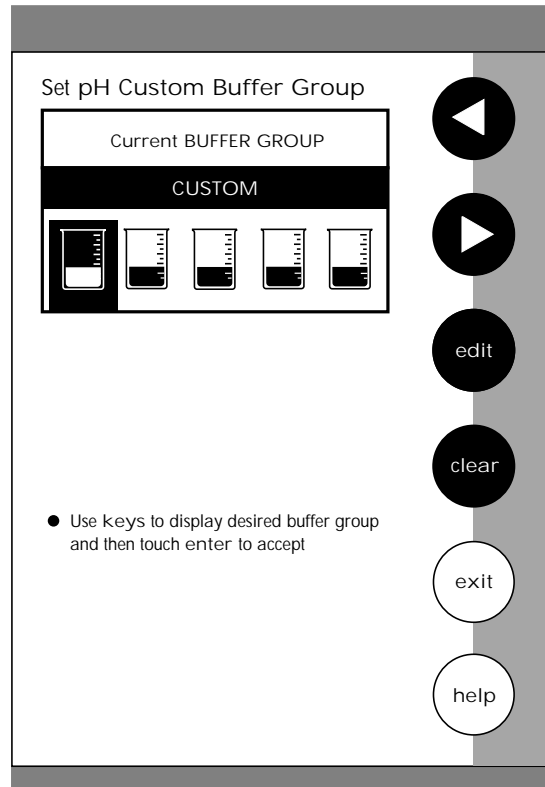
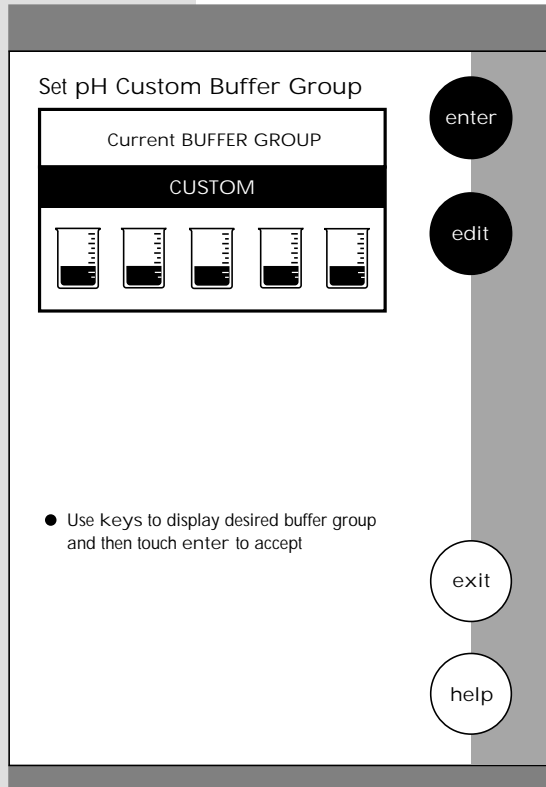
This setup option allows you to select from 3 different buffer groups, each containing 5 buffers, for auto buffer recognition. Or you can create a custom group of buffers for auto buffer recognition by touching custom.

The 3 existing buffer groups are:

USA buffers:	2, 4, 7, 10, and 12
European buffers:	1, 3, 6, 8, and 10
NIST buffers:	1.68, 4.01, 6.86, 9.18, and 12.45

To Select Buffer Group

- 1** Access the Select pH Buffer Group screen from the pH Setup screen. The current buffer group is displayed on the screen.
 - 2** Touch USA or NIST or EURO or custom on the right of the screen to select a buffer group.
 - 3** Touch enter to accept the buffer group to be used for auto recognition.
- OR
- Touch exit to return to pH Setup Screen, without making any changes.



To Set pH Custom Buffer Group

This option allows you to create a custom buffer group of up to 5 buffers to be used for auto buffer recognition. To obtain optimal results, it is important to maintain at least 2 pH units between selected buffers in the custom group.

- 1** Touch custom on the Set pH Buffer Group screen. The current buffer box will show the current custom buffer group.
- 2** Touch edit to alter the present group or create a new custom buffer group. The newly displayed Set pH Custom Buffer Group screen has 5 beakers in the current buffer group box.
- 3** Use the arrow keys to highlight the beaker icon with the pH value you want to change. If there are no buffers in the group then proceed to the next step.
- 4** Touch edit to add a buffer or make changes to the current buffer group OR touch clear to delete the highlighted buffer value.
- 5** Use the numeric keypad that is now displayed to enter the pH buffer value that you want in your custom buffer set.
- 6** Touch enter to accept the value. If you have entered an erroneous value, use the BS key on the keypad to erase the last digit entered and correct the mistake. If you decide not to change the buffer value on the highlighted beaker icon, touch exit on the numeric keypad to return to the Set pH Custom Buffer Group screen.
- 7** Repeat steps 3 through 6 to add up to 5 buffers to your custom buffer group.
- 8** Touch exit to return to the Set pH Custom Buffer Group screen to view the current Custom Buffer Group.
- 9** Touch enter to accept the group and return to the pH Setup screen, OR touch edit to modify the group and repeat steps 3 through 6.

OR

Touch exit to return to the Set pH Buffer Group screen, without making any changes to the custom buffer group.



If you use the custom buffer group for auto buffer recognition, when you access the Set pH Buffer Group from the pH Setup screen, the current buffer group that appears on the screen is the custom buffer group. In order to access the edit option for the custom buffer group, you need to touch any of the other buffer group buttons and then touch custom to access the edit screen.

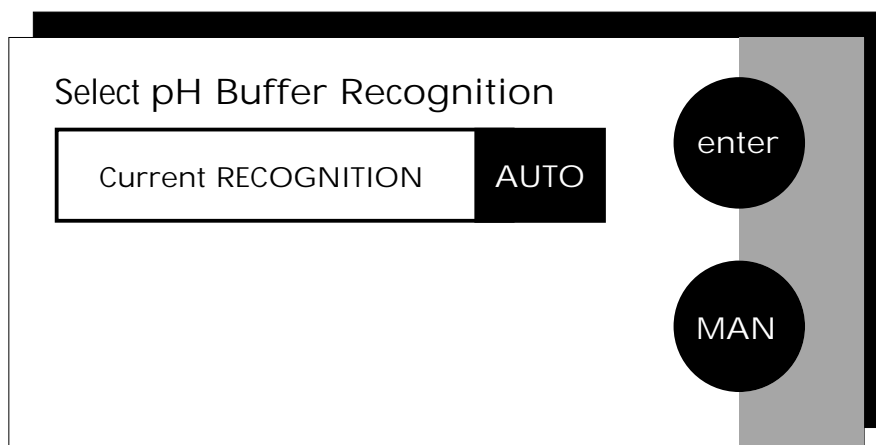


Regardless of which Buffer Recognition Mode you select, STABLE will appear on the Measure screen when the meter recognizes the value as stable.

This option allows you to select Automatic buffer recognition or manual buffer recognition when standardizing. With the Automatic buffer recognition activated, the meter will automatically recognize the buffers from the chosen buffer group and accept them when the meter recognizes the reading as stable. When in the Manual buffer recognition mode, you must enter the buffer value during the standardization procedure. The meter will accept the manually entered buffer when it recognizes that the measurement is stable. During the standardization procedure, you may accept the buffer value before the meter recognizes it as stable by touching std.

To Select Buffer Recognition

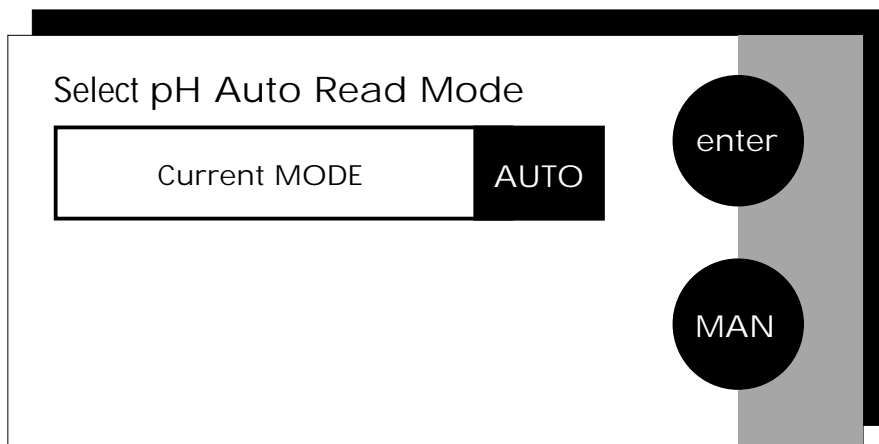
- 1** Access the Select Buffer Recognition screen from the pH Setup screen. The current method of recognition is displayed on the screen.
 - 2** Touch MAN or AUTO to choose the method of buffer selection.
 - 3** Touch enter to accept the method of buffer recognition and return to the pH Setup screen.
- OR
- Touch exit to return to the pH Setup screen, without making any changes.



You can use this meter when the Auto Read function is active or when it is inactive. When the Auto Read function is active, the meter will lock onto a reading when the meter recognizes it as stable. The meter will not deviate from this reading until meas is touched. If the Auto Read function is inactive, then the meter will continuously monitor the pH of the sample and the Measure screen display will indicate any fluctuation in the sample pH.

To Select Auto Read Mode

- 1** Access the Select Auto Read Mode screen from the pH (Ion) Setup screen. The current Read Mode is displayed on the screen.
 - 2** Touch AUTO or MAN to choose the desired read mode.
 - 3** Touch enter to accept the read mode and return to the pH (Ion) Setup screen.
- OR
- Touch exit to return to the pH (Ion) Setup Screen, without making any changes.



Set pH Stability Criteria

Current CRITERIA	Medium
Fast	
Medium	
Slow	

● Use arrow keys to highlight stability criteria and then touch enter to accept

Navigation buttons: Up arrow, Down arrow, enter, exit, help

This setup screen allows you to determine how quickly the meter will respond to electrode drift. There are 3 speed settings: fast, medium and slow.

To Set pH Stability Criteria

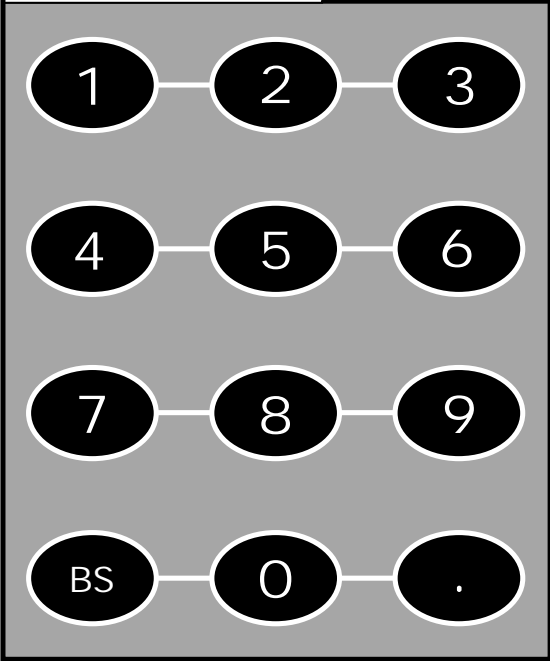
- 1** Access the Set pH Stability Criteria screen from the pH (Ion) Setup screen. The current stability criteria are displayed on the screen.
 - 2** Use the arrow keys to highlight the desired stability criteria.
 - 3** Touch enter to accept the stability criteria and return to the pH (Ion) Setup screen.
- OR
- Touch exit to return to the pH (Ion) Setup screen, without making any changes.



Stability criteria are more stringent at the slower setting. Therefore, if the highest precision is required, then a slow setting would be desired. The default setting is the medium speed and this should be adequate for the majority of applications.

Set pH Default Temperature

Current DEFAULT	25.0 °C
-----------------	---------



● Touch clear to delete current default temp

● Use numeric touchpad to input the new temperature and then touch enter to accept

enter

F

K

clear

exit

help

It is a well known fact that pH is a temperature dependent measurement. The factory default setting is 25°C. If you are taking the pH of a solution that is not 25°C and you are not using an Automatic Temperature Compensation (ATC) Probe, then you should enter the temperature value of that solution in order to get the correct pH value. The current default temperature setting will be displayed when the Set Default Temperature screen is displayed.

To Set Default Temperature

- 1** Access the Set Default Temperature screen from the pH (Ion, Conductivity) Setup screen. The current default temperature is displayed on the screen.
 - 2** Touch clear to erase the current temperature value.
 - 3** Select the temperature units by touching the appropriate unit key C (Celsius), F (Fahrenheit), or K (Kelvin).
 - 4** Use the numeric keypad to enter the desired default temperature.
 - 5** Touch enter to accept the temperature setting and return to the pH (Ion, Conductivity) Setup screen.
- OR
- Touch exit to return to the pH (Ion, Conductivity) Setup screen, without making any changes.



The use of an ATC probe provides a measured temperature value to the meter and will override any value entered in the default temperature screen. This measured value will be used by the meter to make pH (Ion, Conductivity) calculations.

Set pH Isopotential Point

Current ISO POINT	0.0 mV	
1	2	3
4	5	6
7	8	9
BS	0	.

enter

clear

exit

help

- Touch clear to delete current Iso Point
- Use numeric touchpad to input the new Iso Point and then touch enter to accept

The Isopotential Point is the millivolt reading for an electrode at which temperature has no effect on the measurement. pH electrodes are constructed so that the isopotential point is theoretically zero millivolts. This is very close to a pH of 7. Most pH electrodes do not achieve this value precisely. However, they are close enough so that it is not usually necessary to use an isopotential point other than zero. The true isopotential point of any given electrode must be determined experimentally. (See Appendix: Determining Isopotential Points Experimentally, page 165)

To Set Isopotential Point

- 1** Access the Set Isopotential Point screen from the pH (Ion) Setup screen. The current isopotential point is displayed on the screen.
 - 2** Touch clear to remove the current mV value.
 - 3** Use the numeric keypad to enter the desired mV setting for the new isopotential point.
 - 4** Touch enter to accept this value and return to the pH (Ion) Setup screen.
- OR
- Touch exit to return to the pH (Ion) Setup screen, without making any changes.

Set pH Limits

Current LIMITS	
pH Alarm	OFF
pH Minimum	0.00
pH Maximum	14.00

▲

▼

edit

Set mV Limits

Current LIMITS	
- mV Alarm	OFF
- mV Minimum	-1800.0
- mV Maximum	1800.0

Set Ion Limits

Current LIMITS	
- Ion Alarm	OFF
- Ion Minimum	0.00
- Ion Maximum	1.00E6

Set Cond Limits

Current LIMITS	
- Conductivity Alarm	OFF
- Conductivity Minimum	0.00
- Conductivity Maximum	1.00E6

This option allows you to set alarm limits for the pH measuring mode. If the pH value of the measurement is outside of the boundaries set by the minimum and maximum limits, an audible alarm and/or a visual warning will appear to let you know that your sample measurement was outside of the set limits.

To Set Alarm Limits

- 1** Access the Set Alarm Limits screen from the pH (mV, Ion, Conductivity) Setup screen. The current alarm limits are displayed on the screen.
 - 2** Use the arrow keys to highlight the pH (mV, Ion, Conductivity) Alarm option you want to modify.
 - 3** Touch ON or OFF to set the status of the alarm for the pH (mV, Ion, Conductivity) mode.
 - 4** Use the arrow keys to highlight the desired pH (mV, Ion, Conductivity) alarm limit.
 - 5** Touch edit to change the value.
 - 6** Use the keypad to enter the new limit value.
 - 7** Touch enter on the keypad to accept this limit and return to the Set pH (mV, Ion, Conductivity) Limits screen. If you do not want to change the limit value, you can touch exit on the keypad and return to the Set pH (mV, Ion, Conductivity) Limits screen.
 - 8** Repeat steps 4 through 7 to set the other pH (mV, Ion, Conductivity) Alarm limit.
- OR
- Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.

Set pH Print Criteria

Current PRINT CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- pH measurement	ON
- Temperature - ATC	ON
- Last Standardization	OFF
- Current Buffers	OFF
- Slope	ON
- mV measurement	ON
- Meter model #/serial #	ON
- Operator	ON

Set mV Print Criteria

Current PRINT CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- mV measurement	ON
- Temperature - ATC	ON
- Meter model #/serial #	ON
- Operator	ON

Set Ion Print Criteria

Current PRINT CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- Ion measurement	ON
- Temperature - ATC	ON
- Last Standardization	OFF
- Current Standards	OFF
- Slope	ON
- mV measurement	ON
- Meter model #/serial #	ON
- Operator	ON
- electrode/method	ON

Set Cond Print Criteria

Current PRINT CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- Conductivity measurement	ON
- Temperature - ATC	ON
- Reference Temperature	ON
- Temperature Coefficient	ON
- Last Standardization	OFF
- Current Standard	OFF
- Cell Constant	ON
- Meter model #/serial #	ON
- Operator	ON

This screen allows you to select which criteria are printed with the measurement when you print the data or send it to a computer. The status of the current print criteria is displayed on the screen. The criteria option is active if "ON" appears to the right of the option. It is inactive if "OFF" appears to the right of the option. Any active criteria will be printed on demand.

To Set Print Criteria

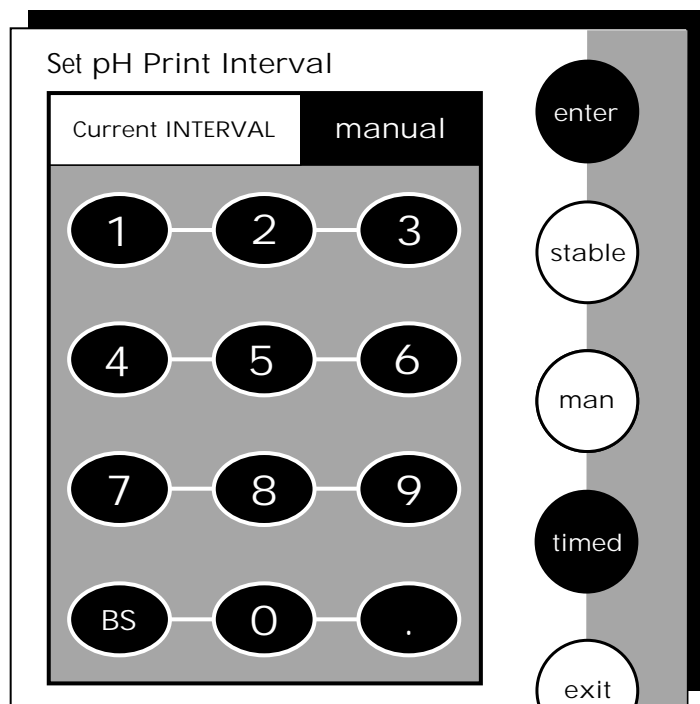
- 1** Access the Set Print Criteria screen from the pH (mV, Ion, Conductivity) Setup screen. The current print criteria are displayed on the screen.
- 2** Use the arrow keys to highlight the print criteria option you want to modify.
- 3** Touch ON or OFF change the status of the criteria.
- 4** Repeat steps 2 and 3 with the remaining criteria.
- 5** Touch save to save the entire group of print criteria and return to the pH (mV, Ion, Conductivity) Setup screen.

OR

Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.



The Date/Time/Channel option and the Measurement option are always active and cannot be deactivated. These criteria will always be printed. Because they can not be changed, they will not be highlighted when using the arrow keys.



You have three options for setting the print interval: manual printing, stable reading printing, and timed interval printing.

For manual printing of data

In this mode, data is printed only when you touch print on the pH (mV, Ion, Conductivity) Measure screen.

- 1** Access the Set Print Interval screen from the pH (mV, Ion, Conductivity) Setup screen. The current print interval is displayed on the screen.
- 2** Touch MAN to set the meter for manual printing.
- 3** Touch enter to accept the print interval mode and return to the pH (mV, Ion, Conductivity) Setup screen.

Printing is now done manually by touching print on the Measure screen.

OR

Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.

For stable reading printing

In this mode, data is printed every time the meter recognizes the current pH (mV, Ion, Conductivity) measurement as stable.

- 1** Access the Set Print Interval screen from the pH (mV, Ion, Conductivity) Setup screen. The current print interval is displayed on the screen.
 - 2** Touch stable to set the meter for stable reading printing.
 - 3** Touch enter to accept the print interval mode and return to the pH (mV, Ion, Conductivity) Setup screen.
- Printing is now done when the meter recognizes the present reading as stable.
- OR
- Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.

For timed interval printing

In this mode, data is printed at the timed interval that you select.

- 1** Access the Set Print Interval screen from the pH (mV, Ion, Conductivity) Setup screen. The current print interval is displayed on the screen.
 - 2** Touch timed to access the timed interval mode and delete the current print interval time.
 - 3** Use the keypad to enter the desired time for the print interval.
 - 4** Touch enter to accept the new time interval for printing and return to the pH (mV, Ion, Conductivity) Setup screen.
- Printing is now done at the set timed interval.
- OR
- Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.

Set pH Data Storage Criteria

Current DATA STORAGE CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- pH measurement	ON
- Temperature - ATC	ON
- Last Standardization	OFF
- Current Buffers	OFF
- Slope	ON
- mV measurement	ON
- Meter model #/serial #	ON
- Operator	ON

Set mV Data Storage Criteria

Current DATA STORAGE CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- mV measurement	ON
- Temperature - ATC	ON
- Meter model #/serial #	ON
- Operator	ON

Set Ion Data Storage Criteria

Current DATA STORAGE CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- Ion measurement	ON
- Temperature - ATC	ON
- Last Standardization	OFF
- Current Standards	OFF
- Slope	ON
- mV measurement	ON
- Meter model #/serial #	ON
- Operator	ON
- electrode/method	ON

Set Cond Data Storage Criteria

Current DATA STORAGE CRITERIA	
- Date/Time/Channel	ON
- Sample ID#	ON
- Conductivity measurement	ON
- Temperature - ATC	ON
- Reference Temperature	ON
- Temperature Coefficient	ON
- Last Standardization	OFF
- Current Standards	OFF
- Cell Constant	ON
- Meter model #/serial #	ON
- Operator	ON

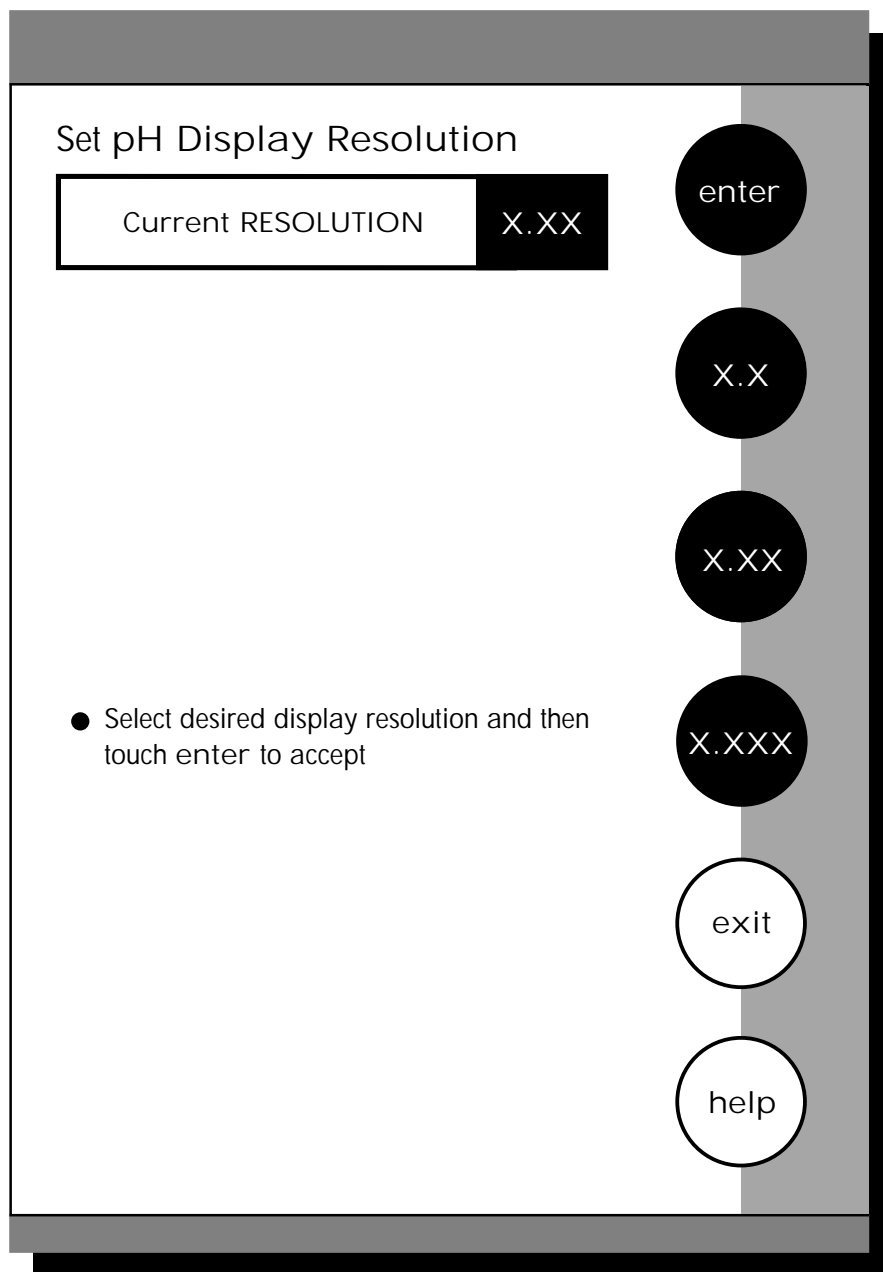
This screen allows you to select what criteria are stored in the meter's memory with the measurement when you save the data. Data is stored only if a Sample ID# has been assigned. The status of the current data storage criteria is displayed on the screen. The criteria option is active if "ON" appears to the right of the option. It is inactive if "OFF" appears to the right of the option. All storage criteria will be stored in the meter's memory with the measurement. However, only active items will appear on the View Stored Data screens. Changing the status of the storage criteria to active from inactive will allow the criteria to be displayed with the previously stored data.

To Set Data Storage Criteria

- 1** Access the Set Data Storage Criteria screen from the pH (mV, Ion, Conductivity) Setup screen. The current Data Storage Criteria are displayed on the screen.
 - 2** Use the arrow keys to highlight the data storage criteria you want to modify.
 - 3** Touch ON or OFF to change the status of the criteria.
 - 4** Repeat steps 2 and 3 with the remaining criteria.
 - 5** Touch save to save the entire group of data storage criteria and return to the pH (mV, Ion, Conductivity) Setup screen.
- OR
- Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.



The Date/Time/Channel criteria and the Measurement criteria are always active and cannot be deactivated. These criteria will always be stored with the measurement value. Because they can not be changed, they will not be highlighted when using the arrow keys.



This mode allows you to set the display resolution that you desire on the screen. You have the choice of one, two or three decimal places.

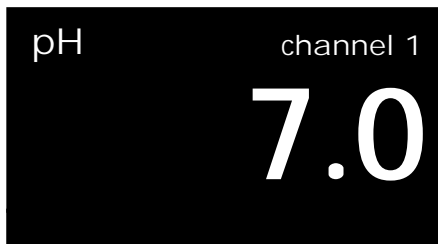
To Set Display Resolution

- 1** Access the Set Display Resolution screen from the pH Setup screen. The current Display Resolution is displayed on the screen.
 - 2** Touch X.X, X.XX or X.XXX to select the desired resolution of the display. This will be the format in which your measurement will be displayed.
 - 3** Touch enter to accept the resolution and return to the pH Setup screen.
- OR
- Touch exit to return to the pH Setup screen, without making any changes.



Remember, HELP is always just a touch of the button away.

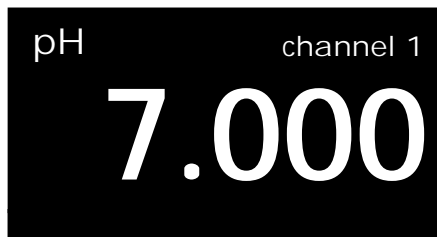
Example of X.X resolution



Example of X.XX resolution



Example of X.XXX resolution



Set pH Display Configuration

Current DISPLAY CONFIGURATION	
- Last Standardization	ON
- Date	ON
- Time	ON
- measurement channel	ON
- sample ID#	ON
- auto buffer status	ON
- auto read status	ON
- temperature	ON
- slope	ON
- mV Display	ON

Set mV Display Configuration

Current DISPLAY CONFIGURATION	
- Date	ON
- Time	ON
- measurement channel	ON
- sample ID#	ON
- temperature	ON

Set Ion Display Configuration

Current DISPLAY CONFIGURATION	
- Last Standardization	ON
- Date	ON
- Time	ON
- measurement channel	ON
- sample ID#	ON
- auto read status	ON
- temperature	ON
- slope	ON
- mV Display	ON
- electrode/method	ON

Set Cond Display Configuration

Current DISPLAY CONFIGURATION	
- Last Standardization	ON
- Date	ON
- Time	ON
- measurement channel	ON
- sample ID#	ON
- Cell Constant	ON
- temperature	ON
- reference temperature	ON
- temperature coefficient	ON

This function will allow you to choose what information you would like to be displayed on the pH Measure screen, particularly the information contained in the data box at the bottom of that screen.

To Set Display Configuration

- 1** Access the Set Display Configuration screen from the pH (mV, Ion, Conductivity) Setup screen. The current Display Configuration is displayed on the screen.
- 2** Use the arrow keys to highlight the Display Configuration criteria you want to modify.
- 3** Touch ON or OFF to change the status of the criteria.
- 4** Repeat steps 2 and 3 with the remaining criteria.
- 5** Touch save to save the entire group of Display Configuration criteria and return to the pH (mV, Ion, Conductivity) Setup screen.

OR

Touch exit to return to the pH (mV, Ion, Conductivity) Setup screen, without making any changes.

pH Display Configuration

September 17, 1997		11:11 am	
ID#	00000	ATC	25.0 °C
auto buffer	ON	slope	100%
auto read	ON	mV	0000.0

View Stored Data

Data POINTS	17
Sample ID	
Date	
Operator	

● Use arrow keys to highlight desired sort option and then touch enter to accept

Navigation buttons: Up arrow, Down arrow, enter, exit, help

This pH meter has memory capacity of up to 250 data points. The View Stored Data screen allows you to sort and look at specific data points. The stored data can be sorted by sample identification number, date or operator identification number.

To View Stored Data

- 1** Access the View Stored Data screen from the pH (mV, Ion, Conductivity) Setup screen. The number of data points in the memory and the sorting options are now displayed on the screen.
- 2** Use the arrow keys to highlight the desired data sort option.
- 3** Touch enter to access the sort option screen.

To sort by Sample ID#

- 1** Access the Sample ID sort option from the View Stored Data screen.
- 2** Use the keypad to enter the sample ID# of the data point(s) that you want to view.
- 3** Touch clear to delete a Sample ID# entered in error and reenter the ID#.
- 4** Touch enter. All data will be sorted by the meter and the first data point displayed on the screen will be the most recent data point saved under the selected Sample ID#.
- 5** Touch next or prev to scroll through additional data points saved in the memory of the meter.
- 6** Touch print to send the data to a printer or computer, OR touch delete to erase the data point from the meter's memory, OR touch exit to return to the pH (mV, Ion, Conductivity) Setup screen.

If a sample ID# is entered and no data points are stored with that sample ID#, you will see a message indicating the sample ID# was not found. Touch OK to return to the sample ID# keypad and enter a new sample ID#.

To sort by Date

- 1** Access the Date sort option from the View Stored Data screen.
- 2** Touch clear to delete the current date.
- 3** Use the numeric keypad to enter the date on which the data points you want to view were saved. Be sure to use / to separate the month, the day and the year.
- 4** Touch enter. All data will be sorted by the meter and the first data point displayed on the screen will be the most recent data point saved under the selected Date.
- 5** Touch next or prev to scroll through additional data points saved in the memory of the meter.
- 6** Touch print to send the data to a printer, OR touch delete to erase the data point from the meter's memory, OR touch exit to return to the pH (mV, Ion, Conductivity) Setup screen.

If a date is entered and no data points are stored with that date, you will see a message indicating the date was not found. Touch OK to return to the operator ID keypad and enter a new date.

To sort by Operator

- 1** Access the Operator sort option from the View Stored Data screen.
- 2** Use the keypad to enter the Operator ID of the data point(s) that you want to view.
- 3** Touch clear to delete an Operator ID entered in error and reenter an ID#.
- 4** Touch enter. All data will be sorted by the meter and the first data point displayed on the screen will be the most recent data point saved under the selected Operator ID.
- 5** Touch next or prev to scroll through additional data points saved in the memory of the meter.
- 6** Touch print to send the data to a printer, OR touch delete to erase the data point from the meter's memory, OR touch exit to return to the pH (mV, Ion, Conductivity) Setup screen.

If an operator ID is entered and no data points are stored with that operator ID, you will see a message indicating the operator ID was not found. Touch OK to return to the operator ID keypad and enter a new operator ID.

NOTE:

Even if you do not know the appropriate information to access a specific data point, you can access the stored data through any of the sort options. Highlight the sort option of interest and touch enter to access the sort screen. Touch enter again and the meter will place you at a data point.

- * The sample ID# sort option will place you at the first data point in numeric order by sample ID#.
- * The Operator sort option will place you at the data point of the first operator ID in alphabetic order.
- * The Date sort option will place you at the most recent point on the last date that data was stored.

Once you access the data storage center, you can touch prev and next to scroll through the additional data points stored in memory.

View Stored Data

Current STORED DATA	
September 17, 1997	
11:11 am	
Channel:	1
sample ID#:	110
Ion value:	1.0
Ion method:	Known Addition
Ion electrode:	AMMONIA
Temperature:	25.0°C
Last Std:	Sep.17 @11:11 am
Current Stds:	10.0 100
Slope:	102.2%
mV value:	0.6
model#/serial#:	AR50/alpha 0001
Operator:	Tom D.