

# Chapter 4 – Special Features

## Introduction

This chapter details the use of certain features and buttons on the DNA level. We have chosen the most commonly used features, such as inverting the rod, changing units, setting the point ID and increment values and programming the USER key.

## Inverted Staff

To take a measurement to an inverted staff, you must first set the level to measure to the inverted staff. Measured values to an inverted staff are negative.

Step	Action	Display
1	<p>To set the level to read an inverted staff:</p> <ul style="list-style-type: none"><li>• Press the <b>SHIFT</b> and then the <b>MODE (INV)</b> button.</li><li>• This function works as a toggle. To take it out of the inverted rod mode, press the <b>SHIFT</b> and then the <b>MODE (INV)</b> button.</li></ul> <p><b>Note:</b> A <b>T</b> will appear in the symbols column of the screen when the inverted rod mode is active.</p>	<pre>----- Meas &amp; Rec ----- PtID: [REDACTED] A1 0 H0 : 0.0000 m 0 Rem : ----- EC Back: ----.---- m <b>T</b> Dist: ---.--- m HCol: ----.---- m &lt;CONT&gt;</pre>

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## Special Features, Continued

**Unit Selection** You can set the distance and temperature units by following the steps below.

Step	Action	Display
1	<p>From the MEAS &amp; REC screen:</p> <ul style="list-style-type: none"> <li>Press the <b>SHIFT</b> and then the <b>PROG</b> button to enter the "MENU" screen.</li> <li>Select <b>2 ALL SETTINGS</b>.</li> </ul> <p>This takes you to the "ALL SETTINGS" screen.</p>	<pre> MENU ----- 1 QUICK SETTINGS 2 ALL SETTINGS 3 SYSTEM INFO 4 CHECK WITH COLLIMATOR &lt;QUIT&gt;           </pre>
2	<p>In the "ALL SETTINGS" screen:</p> <ul style="list-style-type: none"> <li>Select <b>4 UNITS</b>.</li> </ul> <p>This takes you to the "SET UNITS" screen.</p>	<pre> ALL SETTINGS ----- 1 SYSTEM 2 MEASURING 3 COMMUNICATION 4 UNITS 5 DATE / TIME &lt;QUIT&gt;           </pre>
3	<p>In the "SET UNITS" screen:</p> <ul style="list-style-type: none"> <li>Highlight the "Distance" field and select your units by pressing the <b>LEFT</b> or <b>RIGHT</b> arrow button.</li> <li>Highlight the "Temp." field and select your units by pressing the <b>LEFT</b> or <b>RIGHT</b> arrow button.</li> <li>When complete, highlight <b>&lt;SET&gt;</b> and press the <b>ENTER</b> button to store your changes.</li> </ul> <p>This returns you to the "ALL SETTINGS" screen. You can <b>&lt;QUIT&gt;</b> or make another selection.</p>	<pre> SET UNITS -----  Distance :      metre&lt;=&gt; Temp.     :      °F&lt;=&gt;  &lt;QUIT&gt;                &lt;SET&gt;           </pre>

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## Special Features, Continued

### Point ID & Increment

You can set the running point ID value and increment value. The running point ID is the suggested value for your first foresight and then will be incremented by the value you set.

Step	Action	Display
1	<p>From the MEAS &amp; REC screen:</p> <ul style="list-style-type: none"> <li>Press the <b>SHIFT</b> and then the <b>USER</b> button to enter the "FUNCTIONS" screen.</li> <li>Select <b>4 PtID &amp; INCREMENT</b>.</li> </ul> <p>This takes you to the "PtID &amp; INCREMENT" screen.</p>	<pre> FUNCTIONS ----- 1 TEST MEASUREMENT 2 VIEW MEASUREMENT 3 CODE 4 PtID &amp; INCREMENT 5 MANUAL INPUT &lt;QUIT&gt;           </pre>
2	<p>In the "PtID &amp; INCREMENT" screen:</p> <ul style="list-style-type: none"> <li>Enter the value for the PtID.</li> <li>Enter the increment value.</li> <li>Highlight <b>&lt;SET&gt;</b> and press the <b>ENTER</b> button to store your changes.</li> </ul> <p>This returns you to the "Meas &amp; Rec" screen.</p>	<pre> PtID &amp; INCREMENT ----- Running PtID PtID:          TP100 Incr:          5 &lt;QUIT&gt;          &lt;SET&gt;           </pre>

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## Special Features, Continued

### Programmable USER key

You can program the USER button to enable any one of the five different functions available. This can be changed as needed to meet the needs of the particular job or user.

Step	Action	Display
1	<p>From the MEAS &amp; REC screen:</p> <ul style="list-style-type: none"> <li>Press the <b>SHIFT</b> and then the <b>PROG</b> button to enter the "MENU" screen.</li> <li>Select <b>1 QUICK SETTINGS</b>.</li> </ul> <p>This takes you to the "QUICK SETTINGS" screen.</p>	<pre> MENU ----- 1 QUICK SETTINGS 2 ALL SETTINGS 3 SYSTEM INFO 4 CHECK WITH COLLIMATOR &lt;QUIT&gt;           </pre>
2	<p>In the "QUICK SETTINGS" screen:</p> <ul style="list-style-type: none"> <li>Highlight the "USER-Key" field.</li> <li>Use the <b>LEFT</b> or <b>RIGHT</b> arrow button to select the function preferred to program to the <b>USER</b> button.</li> <li>Highlight <b>&lt;SET&gt;</b> and press the <b>ENTER</b> button to store your changes.</li> </ul> <p>This returns you to the "MENU" screen. You can select another choice or <b>&lt;QUIT&gt;</b> to return to the "Meas &amp; Rec" screen.</p>	<pre> QUICK SETTINGS ----- Contrast   :      0%◀▶ EarthCurv :      Yes◀▶ USER-Key   :  TestMeas◀▶ Decimals   :  0.0001m◀▶ &lt;QUIT&gt;                                &lt;SET&gt;           </pre>