



## QUIKRULER™ USER'S GUIDE

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## Introduction

QuikRuler is a portable measuring system that is perfect for estimators, builders, contractors, surveyors, scientists, planners, designers, appraisers and anyone else who needs to take measurements from blueprints, maps, diagrams and other drawings.

With QuikRuler, you can quickly measure areas, perimeters and lengths using any scale and unit of measurement. Perform more complex measurements by adding or subtracting areas and lengths. A built-in measurement system, combined with QuikRuler's calculator, make the measuring module an indispensable tool. And with the optional PC interface, you can send results directly from the QuikRuler display to your PC, for use in a spreadsheet or estimating package.

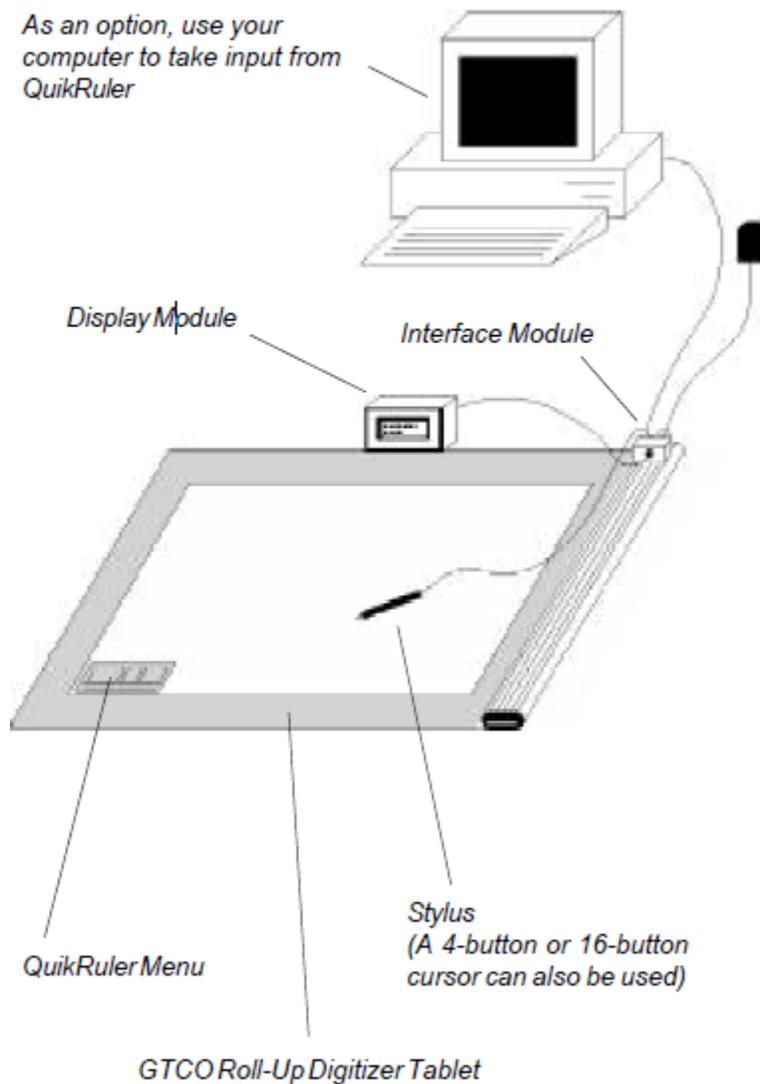
Best of all, you do not need any special training or experience to use QuikRuler. Simply select an option from the QuikRuler menu, touch the stylus or cursor to the drawing and view the results on the QuikRuler display.



## Setting Up

### Components

QuikRuler combines a digitizer, stylus or cursor and portable display into a single system that is easy to move and set up as needed.



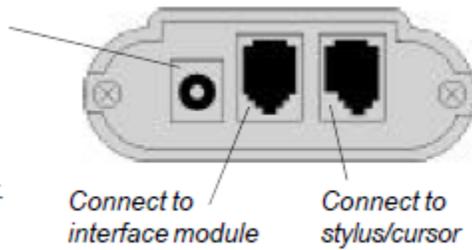


**Connecting the Components**

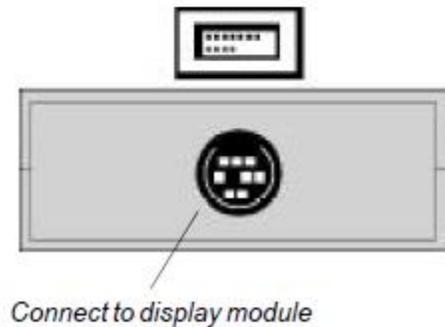
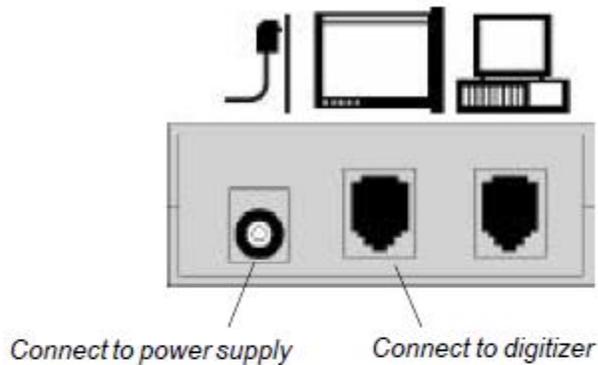
- Connect the stylus (or optional cursor) to the digitizer.
- Attach QuikRuler interface module to the digitizer.
- Attach the QuikRuler display module to the interface module.
- Connect the power cable to the interface module.

**Digitizer Connections**

*DONOT connect digitizer power supply if using a Roll-Up Digitizer. Power is supplied from the QuikRuler.*

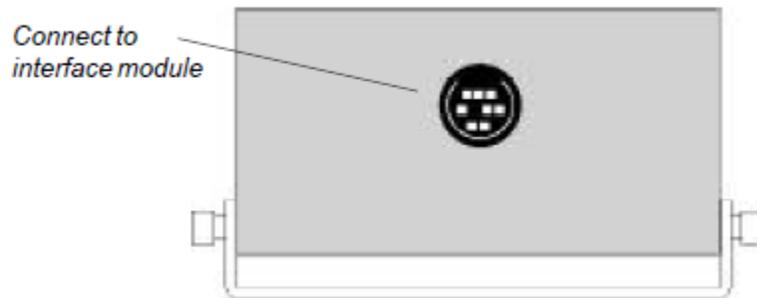


**Interface Module Connections**





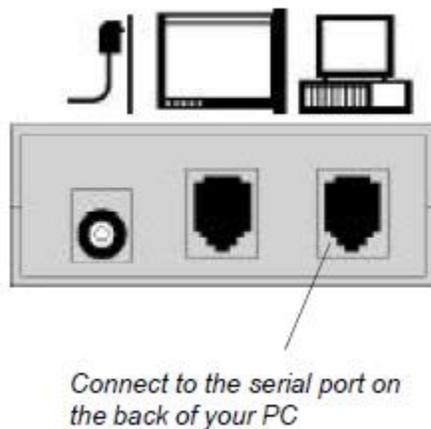
### **Display Module Connections**



### **Optional PC Connections and Program Installation**

To use QuikRuler with a PC, you must attach the interface module to an available PC serial port and install the QuikRuler interface program.

- Insert the QuikRuler disk into drive A (or B).
- Type **a:install** (or **b:install**) at the DOS prompt and press ENTER.
- Follow the instructions on your screen.



### **Starting QuikRuler**

QuikRuler starts up when you connect the power supply. If the start-up was successful, you should hear four short beeps from the digitizer and after the sign-on messages, line 1 of the display should read "**Select from Menu.**" Line 2 of the display will show the current X-axis and Y-axis position of the stylus and a number indicating the status of the stylus



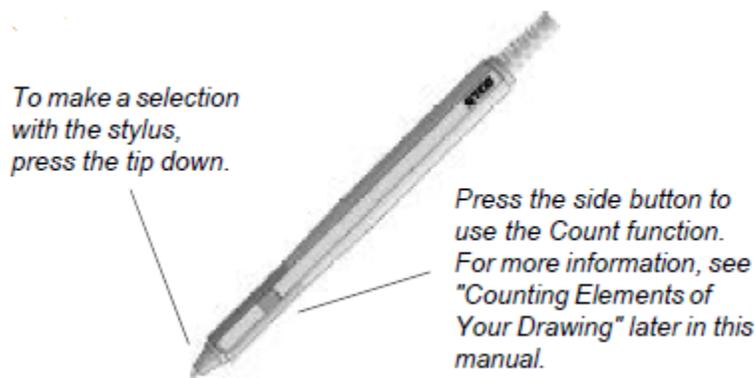
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switches. If the stylus is over the menu, the numbers will be replaced by minus signs (- ----,----) or, if the stylus is not in the tablet's measuring area, the numbers will be replaced by asterisks (\* \*\*\*\*\*,\*\*\*\*\*). Press the tip of the stylus on a menu function button to begin using QuikRuler.

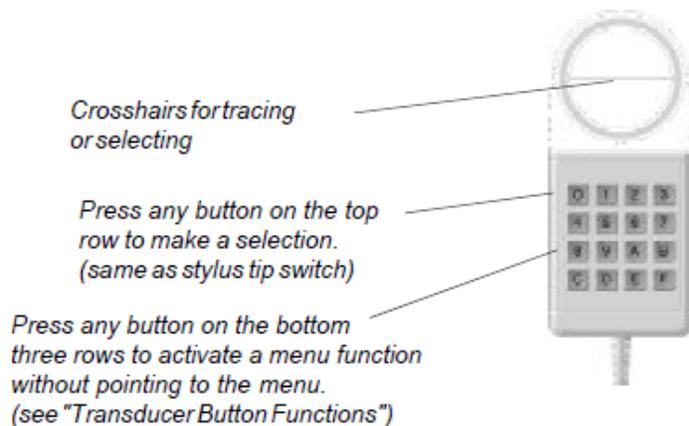
***Making Selections***

Use either a stylus or a cursor to trace and measure drawings. You can also implement either device to make selections from the QuikRuler menu. This manual assumes you have a stylus.

**Stylus**

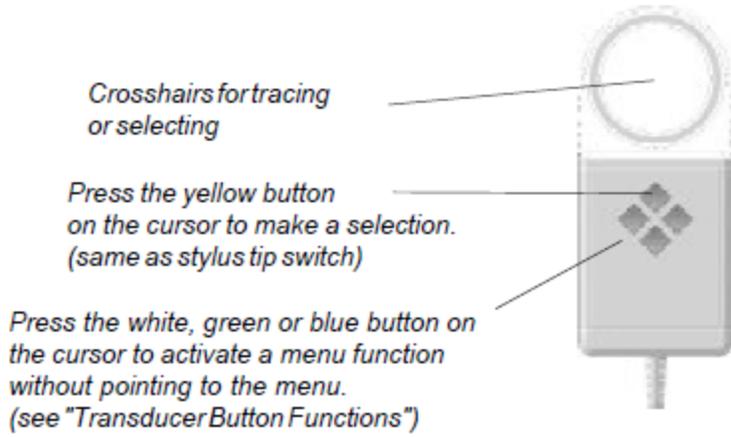


**16-Button Cursor**





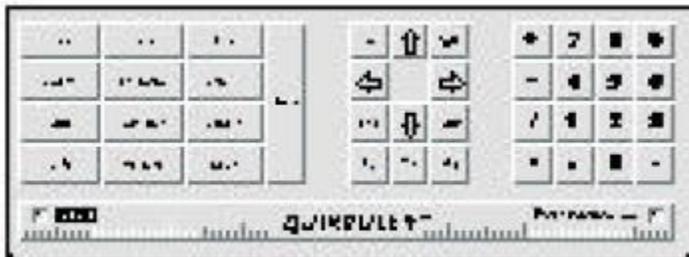
**4-Button Cursor**



**Configuring QuikRuler**

***Locating the Menu***

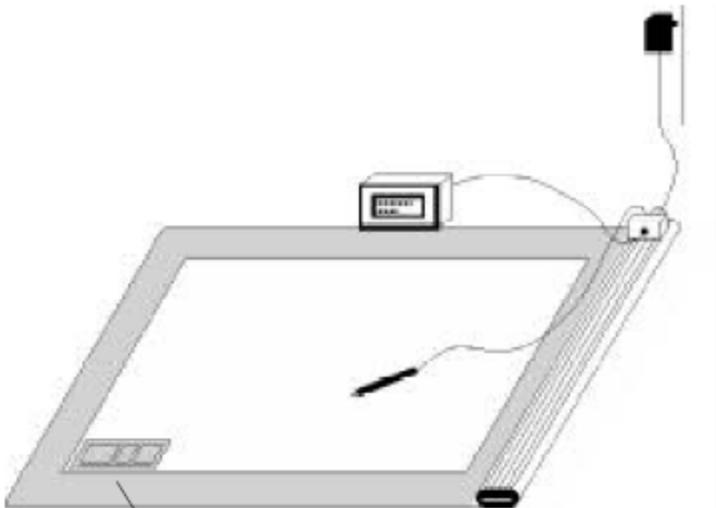
Use the QuikRuler menu to select functions you want to use.





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When QuikRuler is shipped to you, it is programmed to expect the menu to be in the lower left corner of the digitizer surface.



*When you first start QuikRuler,  
it expects the menu to be in the  
digitizer's lower left corner.*

### **Relocating the Menu at Start-Up**

When you start QuikRuler, it shows the following message for five seconds.

**Press Switch to  
Relocate Menu...**

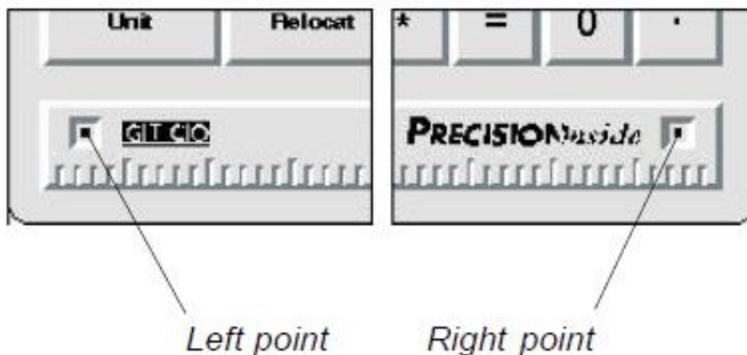
If you want the menu to be in a different location, you can relocate it when you start QuikRuler.

- Select a place for the menu and tape it down. The entire menu must be within the digitizer's measuring area.
- Power up QuikRuler.
- Press the stylus tip anywhere when the **Relocate Menu** message is displayed.
- QuikRuler prompts you to **Select Left Pnt.**



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- Press the stylus on the left point of the menu.
- QuikRuler prompts you to **Select Right Pnt.**
- Press the stylus on the right point of the menu.



### **Relocating the Menu while Working with QuikRuler**

You can change the location of the menu at any time while working with QuikRuler.



- Select 
- Choose a place the menu and tape it down.
- QuikRuler prompts you to **Select Left Pnt.**
- Press the stylus on the left point of the menu.
- QuikRuler prompts you to **Select Right Pnt.**
- Press the stylus on the right point of the menu.

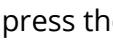
See the previous page for an illustration of the left and right menu points.

### **If You Lose the Menu Location**

- Tape the menu down where you want it to be.
- Disconnect the power supply.
- Reconnect the power supply and listen for four beeps.



### Press Switch to Relocate Menu...

- When QuikRuler displays  press the stylus tip anywhere to enter the relocate mode.
- Follow the prompts that QuikRuler shows you to select the left and right points. See the previous sections for details.

### Using the Configure Block

QuikRuler offers a number of user preference settings.

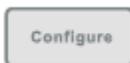
- Select 
- QuikRuler displays a preference option and its current setting.
- Choose  repeatedly or use  and  until you see the option you want to change. The Configure options include:

**Digits Rt of '.'**  
**Select Tones**  
**Select Language**  
**Decimal Pnt Char**  
**Last Character**

- Use  and  to change the current setting of the displayed option. See the following sections for details on each option.

### Setting Fractional Digits

QuikRuler displays 0 to 8 digits to the right of the decimal point.

- Select 
- Choose  repeatedly or use  and  until **Digits Rt of '.'** is displayed on line 1.



- The current number of digits setting is displayed on line 2 beneath the flashing cursor.
- Change the current setting by selecting a number from  to  on the QuikRuler Menu.
- Select  or choose another option or function.

### **Setting Tone Options**

QuikRuler can sound a tone when you make a selection from the QuikRuler Menu, or when you press the stylus tip on the digitizer surface, or both. You can opt to turn off the tones entirely.

- Select .
- Choose  repeatedly or use  and  until **Select Tones** is displayed on line 1.
- The currently selected tone option is displayed on line 2.
- Use  and  repeatedly until you see the tone setting that you want to use:

**Digits Rt of ''**  
**Select Tones**  
**Select Language**  
**Decimal Pnt Char**  
**Last Character**

- Select  or choose another option or function.



### **Selecting Your Language**

- Select 
- Choose  repeatedly or use  and  until **Select Language** is displayed on line 1.
- The currently selected language is displayed on line 2.
- Use  and  repeatedly until you see the language that you want to use.
- Select  or choose another option or function.

### **Choosing the Decimal Point Character**

QuikRuler can display either a "." or a "," as the decimal point when numeric values are displayed.

- Select 
- Choose  repeatedly or use  and  until **Decimal Pnt Char** is displayed on line 1.
- The currently selected character is followed by the flashing cursor on line 2.
- Use  and  to move the cursor to the character that you want to use.
- Select  or choose another option or function.

### **Setting the Last Output Character**

When  is selected, line 2 of the display is sent to the computer, only if a numeric value is displayed. The line 2 value is terminated by the character selected in this option.

- Select 



- Choose  repeatedly or use  and  until **Last Character** is displayed on line 1.
- The currently selected last character is displayed on line 2.
- Use  and  repeatedly until you see the last character that you want to use:  
**Enter**  
**Tab**  
**Down Arrow** <↓>  
**Right Arrow** <→>
- Select  or choose another option or function.

## Setting Scale and Units

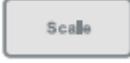
Use the  and  functions to tell QuikRuler the scale of the drawing you are measuring and the units in which you want measurements to be displayed.

### Identifying the Unit of Measure

Use the  function to identify the units in which you want measurements to be displayed. (See the next sections for details about setting the scale of measurements.)

For example, suppose you are working with a map where 1 centimeter represents 3

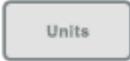
kilometers. You would first use  to tell QuikRuler to measure your drawing in

centimeters and display the result in kilometers. Next, you would use  to set a 1:3 scale.

**NOTE:** You can also choose  at any time to convert the current measurement, shown on the second line of the display, to a different unit of measure.



To set the units:

- Choose 
- QuikRuler displays:

**Measured (cm)**  
**Displayed (km)**

where, from the previous example, centimeters are the units you want to measure from your drawing and kilometers are the units you want to display. The flashing cursor follows the unit that may be changed.

- Select  repeatedly or use  and  until you see the units you want to use:

<b>mm</b>	<b>in</b>
<b>cm</b>	<b>ft</b>
<b>m</b>	<b>yd</b>
<b>km</b>	<b>mi</b>

- Choose  or select another function.

### ***Setting the Scale Manually***

If you know the scale of the drawing you are working with, you can enter the measurement scale manually.

- Use the  to select the unit of measure for the first part of the scale. For example, if 1 centimeter equals 3 kilometers, select **cm** as the unit of measure and **km** as the displayed unit. For more information, see "***Setting Units***" earlier.
- Select 



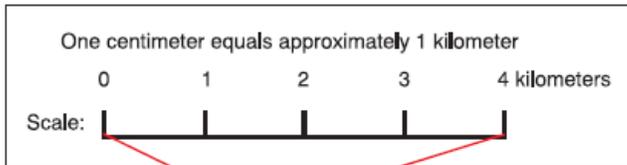
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- QuikRuler displays **Scale cm: km** on line 1, where cm is the current unit of measure and km is the current displayed unit as selected in the  function.
- QuikRuler displays the current scale setting on line 2. For example, if the current scale is 1 cm = 3 km, QuikRuler displays **1:3** on line 2 with the flashing cursor positioned over the 3.
- Change the scale by clicking on a number on the QuikRuler menu. For example, click on  if the desired scale is 1 cm = 5 km.
- When the drawing scale is larger than 1:1, use a decimal value. If the scale were 5:1, you would divide both sides of the ratio by 5 and click on the   buttons so the scale reads **1:2**.
- If the drawing scale is given as 1/8 in = 1 ft., for example, multiply both sides of the equation by 8 so that 1 in = 8 ft. and select  so that the QuikRuler scale reads **1:8**.
- Select  or choose another function.

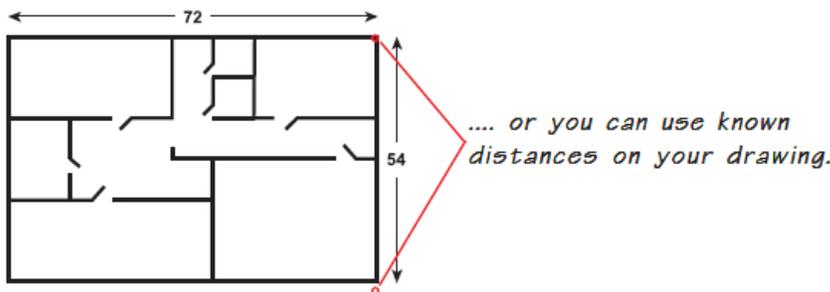
### ***Setting the Scale Automatically***

On maps and many other types of drawings, a scale diagram can be found in the drawing's legend. You can use this type of diagram to set the measurement scale automatically. Simply mark the starting and ending points of the legend and tell QuikRuler the distance between the two points.

On other drawings, you can set the scale automatically using a straight surface in the drawing that is of a known length. Simply mark the starting and ending points of the surface and tell QuikRuler the distance between the two points.



*You can set the scale automatically using a map's legend ....*



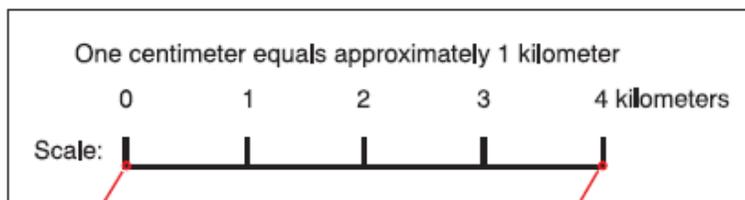
*.... or you can use known distances on your drawing.*



- Select
- Follow the prompts that QuikRuler displays to select the starting and ending scale points.

For example, using the illustration of the map legend shown below, you would select the point just below **0** as the *starting point* and the point just below the **4** as the *ending point*.

*To set the scale automatically from the legend...*



**1** *Click on the starting point.*

**2** *Click on the ending point.*

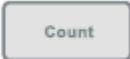
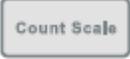
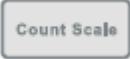


- QuikRuler prompts you for **Distance** (units).
- Use the number buttons on the QuikRuler menu to tell the device the distance between the two points you selected. Referring to the map legend above, you would select  to tell QuikRuler that the distance between the two points is 4 kilometers.

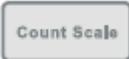
**NOTE:** You must first use the  function to specify that your measured values are in centimeters and displayed values are in kilometers. See "**Identifying the Unit of Measure**" earlier.

- Choose  or select another function.
- To view the current auto scale setting, choose .

### Setting the Counting Scale

You can use QuikRuler's  function to count areas or other components on your drawing. For example, if you are using QuikRuler to estimate how much electrical wiring will be required for a building, you could use the  function to count how many electrical outlets will be needed. Normally, QuikRuler counts by ones. However, you can change the scale to something else using the  function. For example, you can use the  function to tell QuikRuler to count by fives, tens or some other value – even fractions.

To change the counting scale:

- Select .
- QuikRuler displays the current counting scale under the flashing cursor.



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- Choose the appropriate number on the QuikRuler menu.
- For example, select   if you want to count my tens.
- Choose  or select another function.

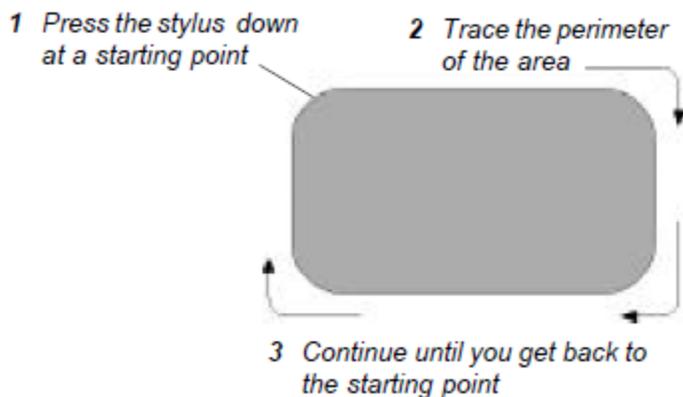
## Measurements

The following sections describe how to use QuikRuler to measure components of your drawing.

### ***Measuring the Size of an Area***

QuikRuler can instantly calculate the size of an area on your drawing. Follow these steps:

- Select 
- Press the stylus down on the outer edge of the area you want to measure.
- While still holding the stylus tip down, trace around the perimeter of the area with the stylus.
- Lift the stylus tip when you have finished tracing the area.
- QuikRuler III displays the size of the area in the units you specified.



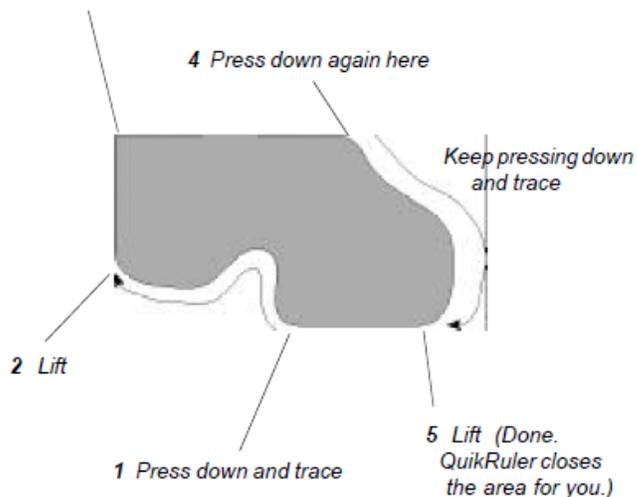


### **Area Shortcut**

If the area you are measuring contains straight edges, you can use a shortcut when calculating the size of the area:

- Trace the curved portion of the area by pressing the stylus tip down and following the area's perimeter.
- When you reach a straight edge, lift the stylus tip at one end of the edge and press it back down at the other end.

3 Press the stylus down at one end of the straight edge, then lift



### **Adding or Subtracting Areas**

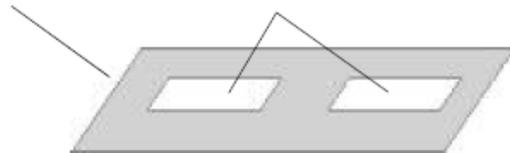
After calculating the size of an area, you can add or subtract another area from it. For example, suppose you are estimating the amount of paving material that will be needed for a parking lot. You would first measure the size of the entire lot, and then subtract the sizes of the areas within the lot that will not be paved.



To calculate the size of the shaded area:

1 Measure the entire area first

2 Then subtract these areas



Follow these steps to add or subtract areas:

- Measure the entire area, as described in the previous sections.
- Select  or
- Measure the area to be added to or subtracted from the first area.
- If necessary, repeat the previous two steps to add or subtract additional areas.
- Click on the  button to calculate the total.

### **Measuring the Length of a Perimeter**

QuikRuler can instantly calculate the length of an area's perimeter. After measuring an area:

- Select  to display the length of the area's perimeter.

**NOTE:** Only the perimeter of the most recently measured area is displayed. Perimeters of

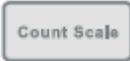
multiple areas are not summed unless the areas are measured in  mode.

### **Counting the Elements of Your Drawing**

Use the  function to count the elements of your drawing, such as rooms, or walls, or electrical outlets. You can count at any time, even while you are using another function.

Follow these steps:

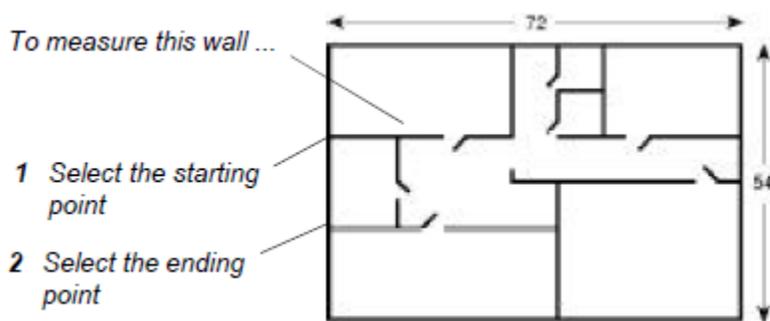


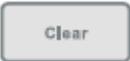
- Use the  function to tell QuikRuler the counting scale. For example, you might want to count by ones, fives, tens or some other unit. See **“Setting the Counting Scale”** earlier for more information.
- Select 
  - QuikRuler displays the current count.
  - To count, select any point on the digitizer surface.
- Or, if you are not in the  mode, press the side button on your stylus.

**Measuring a Straight Segment**

Use the  function to measure the length of a straight segment. Follow these steps:

- Select 
- Follow the prompts that QuikRuler displays to select the starting and ending points of the segment.
- QuikRuler III displays the length of the segment.



- To measure another segment, select its starting and ending points. You do not have to press  first.
- **EACH SEGMENT IS AUTOMATICALLY SUMMED WITH PREVIOUS SEGMENTS.**
- To start a new sum, press  .



### **Measuring a Continuous Length**

Use the  function to measure a curved length. Follow these steps:

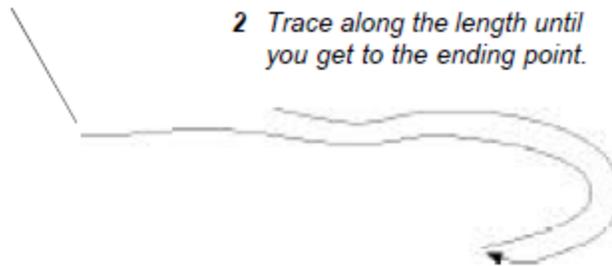
- Select 
- Choose the starting point of the length.
- While holding the stylus down, trace along the length until you reach the ending point.
- Lift the stylus tip.
- QuikRuler III displays the length of the line.

*To measure the curved line below ...*

**1** *Push the stylus down on the starting point.*

**2** *Trace along the length until you get to the ending point.*

**3** *Lift stylus.*



- If the segment is a straight line, you can measure it in a similar way to the Length Segment function. Select the starting point of the line and then pick the stylus up and choose the ending point.

### **Adding or Subtracting Lengths**

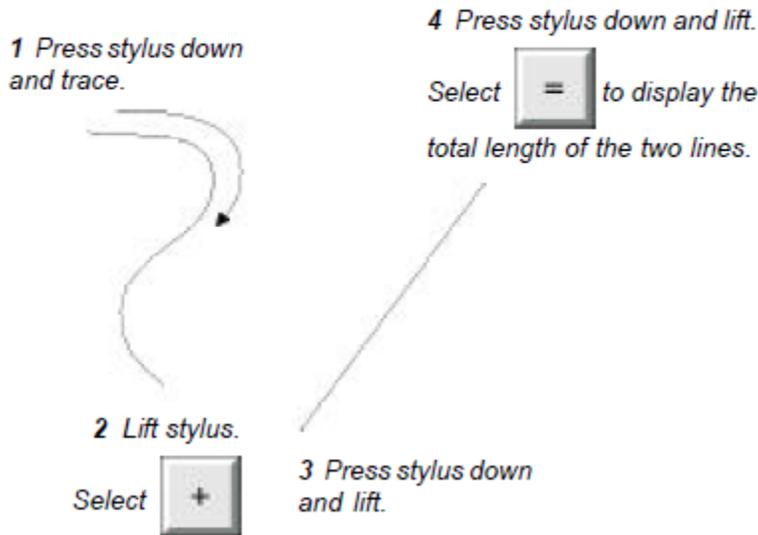
To add or subtract lengths, follow these steps:

- Measure the first length.
- Press  or 
- Measure the next length.
- If necessary, repeat the previous two steps to add or subtract additional lengths.



- Click on the  button to display the length total.

Forexample:



### Using QuikRuler as a Calculator

You can use the arithmetic operations and the numeric keypad buttons on the QuikRuler menu to perform calculator functions.

Use these buttons to perform calculator functions.

+	7	6	9
-	4	5	8
/	1	2	3
^	=	0	.

You can use the calculator to transform your measurements in various ways. For example, suppose you are using a drawing to estimate the amount of carpeting that will be required



for an entire floor of an office building. You want to add 5 percent to the measurement, to account for waste, mistakes and so on. You would follow these steps:

- Measure the area where carpeting is required.

- Click on the buttons.

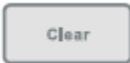
- Select the button to display the total.

You can also use the menu as a traditional calculator to add, subtract, multiply and divide numbers independently of your measurements. You can do this at any time, even while using QuikRuler functions.

## Editing Data on the Display

QuikRuler provides several ways of editing and correcting the data on the display.

### *Correcting Mistakes When Accumulating Measurements*

When you are accumulating measurements for areas and lengths, use the  function to clear the current measurement. In addition, you can use this function to correct mistakes made while accumulating measurements.

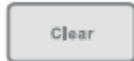
Follow the steps below when you need to fix a mistake that occurred while you were adding the measurements of several areas. You can use the same procedure to fix mistakes made while accumulating measurements for lengths.

- Select  to clear the area you are currently measuring from the QuikRuler III display.
- Choose
- QuikRuler displays the size of the area you have already calculated.
- Measure the next area and select to display the total if you are done.



### ***Clearing the Total***

You can clear the total that is on the second line of the display at any time. Click on the



button to clear the total.

### ***Correcting Numeric Entries***

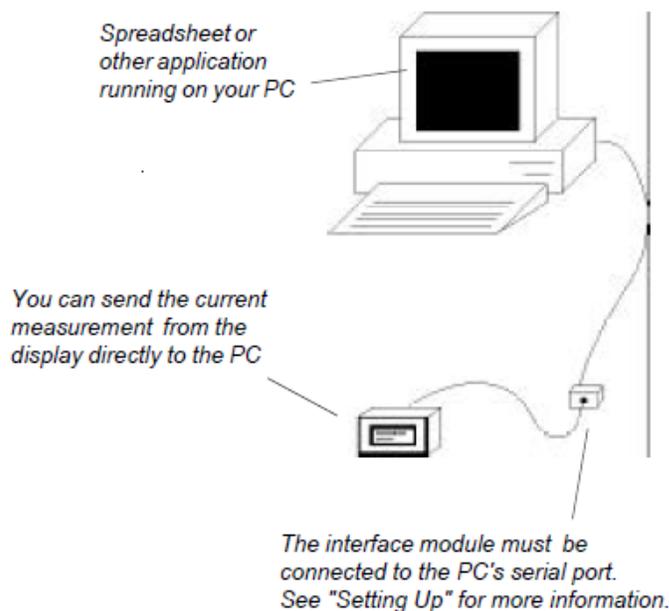
When you are entering numbers, you can delete the last number you entered by clicking on



the button. It will delete the last digit you entered.

### ***Sending Data to Your PC***

You can use QuikRuler to send data directly from the display to your PC. QuikRuler can send data to any program running under Windows or DOS.



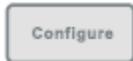


To use QuikRuler with a PC:

- On your PC, make sure the cursor is at the location where you want to insert a measurement from QuikRuler.

- Select  to send to the PC the number shown on the second line of the QuikRuler display. It will be entered into your application program as if you had typed the value from your keyboard.

- To simplify data entry to your spreadsheet, use the **Last Character** option in the



function to set the character sent after the numeric value on line 2 of the display. For example, if you want to enter a column of values, use the **Down Arrow**  as the last character. In many programs, this will enter the numeric value in a cell and move to the cell below the entry, ready for the next value.

- You can navigate in your PC application by selecting the cursor-movement buttons.



For example, select  to move up one line or cell in your PC application.

*Use these buttons to navigate in your software application.*





## Messages

QuikRuler displays a variety of messages as you use its functions. Most of the messages are indicative of normal operation, such as prompts that instruct you how to perform the next step in a process. Other messages can signal a problem.

Message	Meaning
<b>**No Digitizer**</b>	QuikRuler is not attached to the digitizer. You must attach it before you can proceed. If QuikRuler is attached, make sure the digitizer is configured for 9600 baud with no parity and an 8-bit word. On most GTCO CalComp by Turning Technologies digitizers, this can be done by selecting <b>S01</b> on the SuperSet menu.
<b>**Memory Failure**</b>	The power on test detected a memory failure. QuikRuler will attempt to continue normally with all operations, if you click the stylus tip or cursor anywhere on the digitizer surface.
<b>**Bad Ref Point**</b>	This message will appear during a Relocate Menu operation when an incorrect lower left or lower right reference point is entered. Make sure that the entire menu is within the digitizer's measuring area. Repeat the Relocate Menu operation when this message appears.
<b>**Menu Off Tablet**</b>	This message will appear during a Relocate Menu operation when the QuikRuler menu is not positioned entirely within the digitizer's measuring area. Move the menu and repeat the Relocate Menu operation when this message appears.
<b>**Number Too Big**</b>	The number on line 2 of the display is too large for QuikRuler. Try changing units to reduce the number size when this message appears.

If you receive any of these messages and the above suggestions do not correct the problem, contact the GTCO CalComp by Turning Technologies Technical Support Team.



## Radio and Television Interference

### *Radio and Television Interference in the United States*

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Reorient or coil cables.
- Consult the dealer or an experienced Radio/TV technician for help.

**NOTE:** Any cables the user adds to the device must be shielded to be in compliance with the FCC standards. Any unauthorized modification to this device could result in the revocation of the end user's authority to operate this device.

### ***Bescheinigung des Herstellers/Importeurs***

Heirmit wird bescheinigt, dass der/die/das

3036R

(Geraet, Typ, Bezeichnung)

im Uebereinstimmung mit den Bestimmungen der

Vfg 1046/1984

(Amtsblattverfuegung)

Funk-Entstort ist.



Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

GTCO CalComp, Inc.

(Name des Herstellers/Importeurs)

Dieses Gerät wurde einzeln sowohl als auch in einer Anlage, die einen normalen Anwendungsfall nachbildet, auf die Einhaltung der Funkentstörbestimmungen geprüft. Es ist jedoch möglich, dass die Funkentstörbestimmungen unter ungünstigen Umständen bei anderen Gerätekombinationen nicht eingehalten werden. Für die Einhaltung der Funkentstörbestimmungen seiner gesamten Anlage, in der dieses Gerät betrieben wird, ist der Betreiber verantwortlich.

Einhaltung mit betreffenden Bestimmungen kommt darauf an, dass geschirmte Ausführungen gebraucht werden. Für die Beschaffung richtiger Ausführungen ist der Betreiber verantwortlich.



## Appendix

### *Transducer Button Functions*

<b>Transducer Element</b>	<b>Function</b>
<b>Stylus</b> Tip switch Side switch	Menu picking Increment Count accumulator
<b>4-Button Cursor</b> Yellow button White button Blue button Green button	Menu picking Increment Count accumulator Clear Send
<b>16-Button Cursor</b> 0 button 1 button 2 button 3 button 4 button 5 button 6 button 7 button 8 button 9 button A button B button C button D button E button F button	Menu picking Menu picking Menu picking Menu picking Increment Count accumulator Clear Relocate Menu Send Area Length Segment Length Continuous Perimeter Count Mode Left Arrow Right Arrow Total (=)



### **Limited Warranty for QuikRuler**

GTCO CalComp by Turning Technologies, Inc. warrants these products to be free from defects in material and workmanship under the following terms. Complete and return the enclosed warranty registration card to ensure that your products are covered with this warranty.

#### **Coverage**

Parts and labor are warranted for two (2) years from the date of the first consumer purchase for the digitizer tablet, controller, transducers and tablet accessories. Power supply and cables are also warranted for one (1) year. This warranty applies to the **original consumer purchaser only**.

Within the European Union, the warranty period is two (2) years, as mandated by the EU. Contact your local dealer or distributor for additional warranty information.

Warranty is only valid if original consumer's purchase or lease date is less than or equal to six months from the original GTCO CalComp by Turning Technologies sale date. This information will be captured by the system serial number and confirmed by the reseller's purchase order.

A nominal Warranty Handling Fee will be charged after the first 90 days of use and calculated from the date of original consumer purchase. This payment may be made by Visa, MasterCard or American Express. A copy of the sales receipt or invoice will be required for warranty verification.

#### **Conditions**

Except as specified below, this warranty covers all defects in material or workmanship in the products. The following are not covered by the warranty:

1. Any product on which the serial number has been defaced, modified or removed (if applicable).
2. Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature, unauthorized modification for any purpose, unauthorized product modification, or failure to follow instructions supplied with the product.
  - b. Repair or attempted repair by anyone not authorized by GTCO CalComp by Turning Technologies.
  - c. Any damage in shipment of the product (claims must be presented to the carrier).
  - d. Any other cause which does not relate to a manufacturing defect.
3. Any product not sold or leased to a consumer within six months of GTCO CALCOMP BY TURNING TECHNOLOGIES original sale date.

GTCO CalComp by Turning Technologies will pay all labor and material expenses for covered items, but will not pay for the following:

1. Removal or installation charges.



2. Costs for initial technical adjustments (set up), including adjustment of user controls.
3. Certain shipping charges. (Payment of shipping charges is discussed in the next section of this warranty.)
4. Packaging costs. (Customers should keep their boxes.)

### **Warranty Service Procedures**

1. To obtain service on your GTCO CalComp by Turning Technologies product, contact the Technical Support Department to receive a Return Material Authorization Number (RMA#) and shipping instructions by calling: 1-866-746-3015.
2. Ship the product to GTCO CalComp by Turning Technologies with the RMA# marked clearly on the outside of the box. Without a clearly marked RMA# on the shipping box, GTCO CalComp by Turning Technologies reserves the right to refuse the shipment.
3. Although you must pay any shipping charges to ship the product to GTCO CalComp by Turning Technologies for warranty service, GTCO CalComp by Turning Technologies will pay the return shipping charges for ground shipment. Other shipping options are available at an additional fee.
4. Whenever warranty service is required, the original dated sales invoice (or a copy) must be presented as proof of warranty coverage and should be included in shipment of the product. Please also include your name, address, telephone number, fax number, email address and a description of the problem.
5. If GTCO CalComp by Turning Technologies determines that the unit is not defective within the terms of the warranty, the consumer shall pay the cost of all freight charges, as well as any repair charges.

### **Technical Support**

Web-based Technical Support is available free of charge at: [www.gtcocalcomp.com](http://www.gtcocalcomp.com), where current driver releases, as well as comprehensive technical support, troubleshooting, Technical Bulletins and FAQs can be found.

Telephone Technical Support is available free of charge to the original consumer for a period of 90 days from the date of purchase of the product. Please contact our Technical Support Department at: 1-866-746-3015 or fax your request to: 480.998.1751.

### **Disclaimer of Unstated Warranties**

The warranty printed above is the only warranty applicable to this purchase. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. Assuming the warranty above stated is otherwise applicable, it is expressly understood and agreed that GTCO CalComp by Turning Technologies sole liability whether in contract, tort, under any warranty, in negligence or other shall be for the repair or replacement of the defective parts and under no circumstances shall GTCO CalComp by Turning Technologies be liable for special, indirect or



consequential damages. The price stated and paid for the equipment is a consideration in limiting GTCO CalComp by Turning Technologies liability.

**Notice**

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state, or province to province.

To obtain service on your GTCO CalComp by Turning Technologies product, call our Technical Support Department at: 1-866-746-3015 or fax us at (480) 998-1751. We can also be contacted through our website at [www.gtccalcomp.com](http://www.gtccalcomp.com) (in US); at [EUOffice@gtccalcomp.com](mailto:EUOffice@gtccalcomp.com) (in Germany); at [infos@calcomp.fr](mailto:infos@calcomp.fr) (in France).

**Important!**

All products returned to GTCO CalComp by Turning Technologies for service must have prior approval in the form of a Return Merchandise Authorization Number (RMA#), which can be obtained by calling the Technical Support Department.



**Corporate Headquarters**

14557 N. 82<sup>nd</sup> Street  
Scottsdale, Arizona 85260  
Tel: 1-866-746-3015  
Support: 1-866-746-3015  
Fax: 480-998-1751

[www.gtcocalcomp.com](http://www.gtcocalcomp.com)

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