

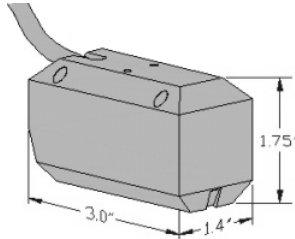
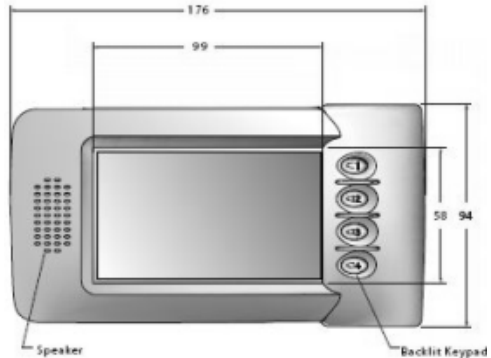



Lasercheck 6212 Point Of Measurement System

Quick Setup Guide YLL200205

Unpacking Lasercheck

All components of Lasercheck have been inspected and tested individually and as a system before shipping. You should find the following items with your system:

<p>1. Lasercheck Measurement Sensor</p>	
<p>2. Standoff plate (0.100 inch / 2.5 mm)</p>	<p>Attached to measurement sensor for <u>quick set up tests only</u>. Remove for in-plant system installation.</p>
<p>3. Lasercheck LCD Display and Control unit</p>	
<p>4. Electronic Interconnect Box (4.6 x 3.6 x 2.3 inches – 117 x 91 x 58 mm)</p>	
<p>5. Wall Power Supply</p> <p>6. Lasercheck Leveling Tool</p> <p>7. Lasercheck USB Stick with Manual, Quick Setup Guide and Backup Files</p>	

Basic Connections

1. Connect the measurement sensor to female DB15 connector labeled "SENSOR" on interconnect box.
2. Connect the LCD Display and Control Unit to male DB15 connector labeled "DISPLAY" on interconnect box.
3. Connect any proximity sensors (triggering inputs) to the female DB9 connector labeled "INPUT/OUTPUT" on interconnect box. These are optional and would only be used during "automatic operation".
4. Connect the wall power supply to the connector labeled "POWER" on interconnect box.

Physical Mounting

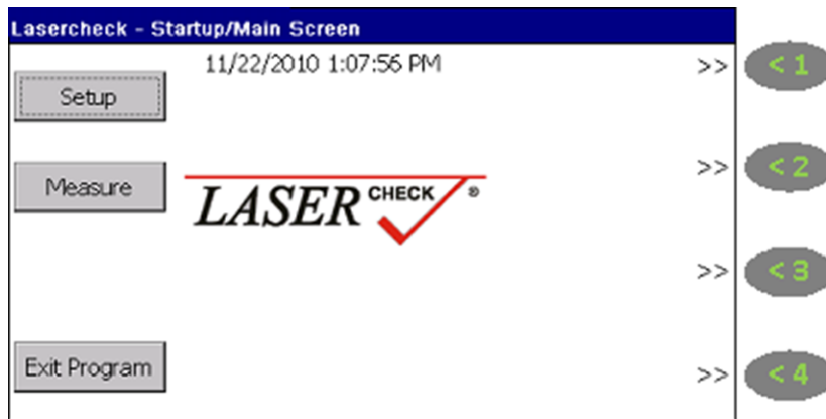
The 6212 Lasercheck sensor is supplied with a 0.1inch / 2.5 mm thick standoff plate on the bottom for bench testing. This will vertically align the head within specification on flat surfaces for quick setup tests.

Select Test Surface

Select a flat reflective smooth surface such as aluminum foil and set it on a flat bench surface. Set the measurement head on the aluminum foil.

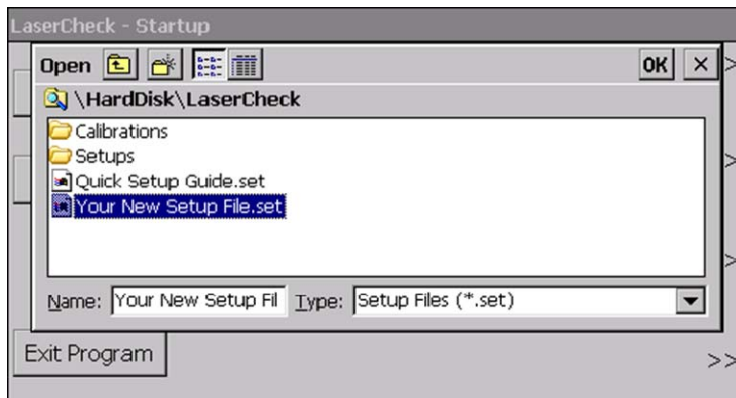
Power ON

After all connections are made toggle the power switch on the side of the interconnect box to the on position. The following screen will be displayed:



Lasercheck Startup/Main Screen

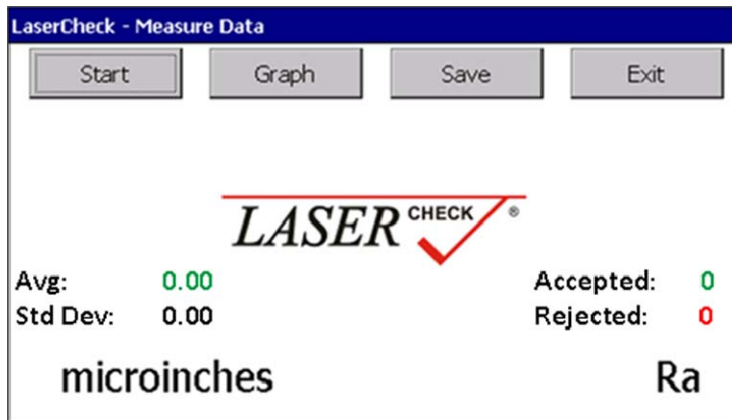
Push the Measure button, the following screen will be displayed:



Measure Open Setup

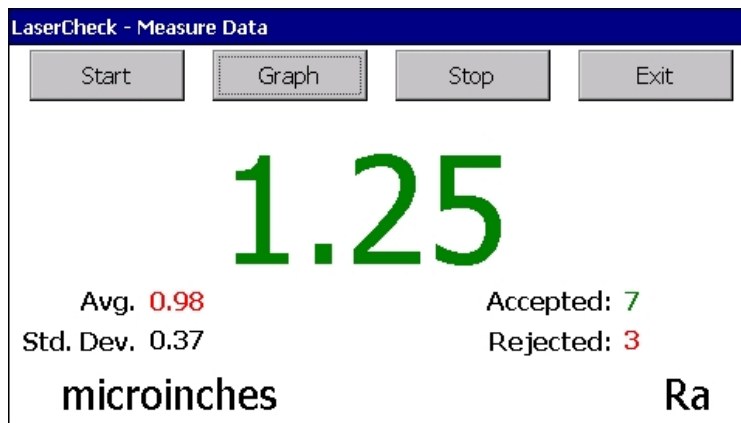
Select the factory file named "Quick Setup Guide" for "continuous" manual operation.

The following screen will be displayed:



Measure Data Screen Prior to Trigger

Press "Start" button. When measurements begin the following screen will be displayed:

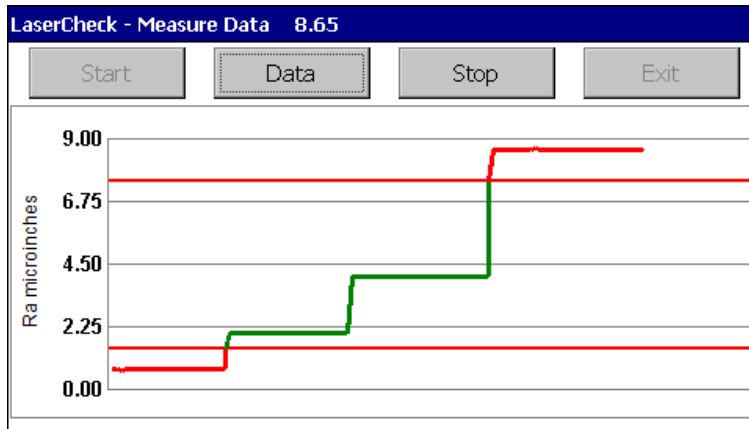


Measure Data Screen after Trigger

Note that the values will be displayed in GREEN if results are within the minimum and maximum Roughness values specified in your setup file. Values will be displayed in RED if results are outside the minimum and maximum Roughness values specified in your setup file.

Average of all measurements will be displayed in GREEN if the average is in specification and in RED if the average falls outside your specification. Real time counters appear in the bottom right corner indicating how many measurements are in specification / Accepted in GREEN and out of specification / Rejected in RED.

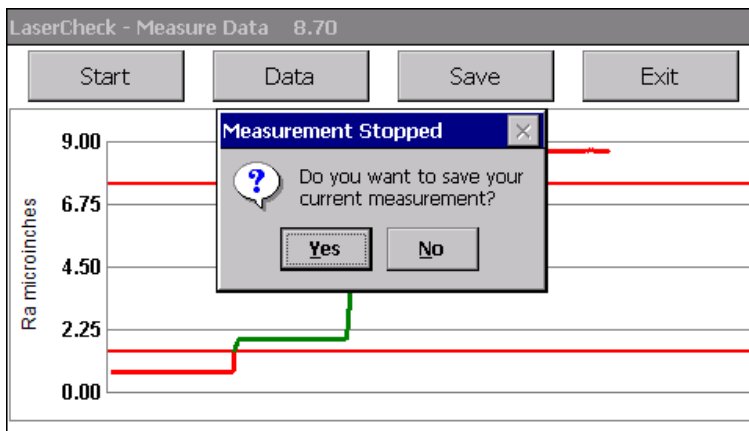
Push the “Graph” button and the following screen will be displayed



Measure Graph Screen Scanning 1, 2, 4, and 8 Microinch Surfaces

The same measurement results will be displayed in real time in a graphical display. The horizontal RED lines designate the minimum and maximum Roughness values specified in your setup file. The graph of measurement values is displayed in GREEN if results are within the minimum and maximum Roughness value range specified in your setup file and displayed in RED if results are outside this range.

Pushing “Save” will save the current measurements, pushing “Exit” will display the following screen:



Measure/Save Screen

If “Yes” is selected, the measurement results will be saved to a predetermined location then you will be returned to the Measure Data Screen prior to trigger. If “No” is selected, you will be returned to the Measure Data Screen prior to trigger, without saving any values.

On-Line Plant Installation

Please refer to the Lasercheck 6212 Point of Measurement Operations Manual supplied in PDF form on the memory stick supplied with the system, or on the Lasercheck website (www.surface-finish.net).