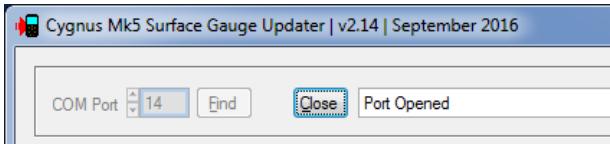
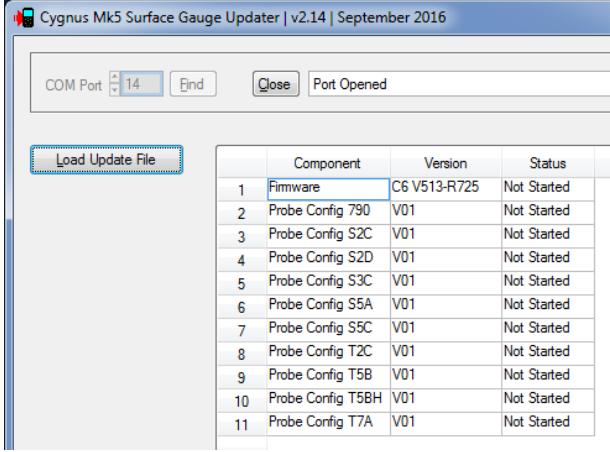
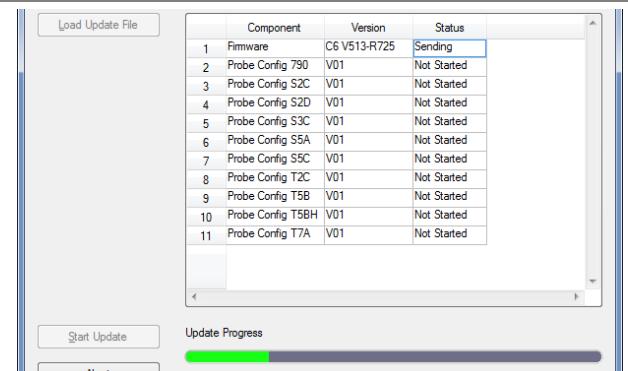
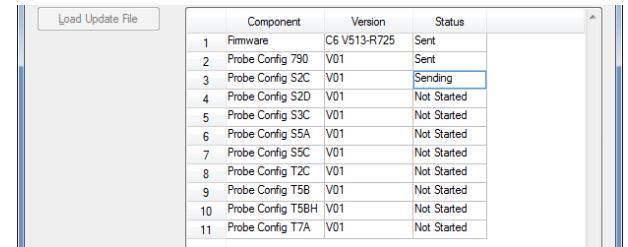
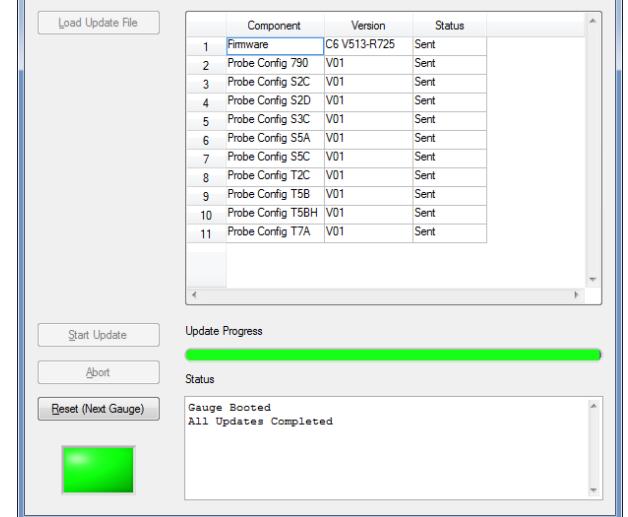
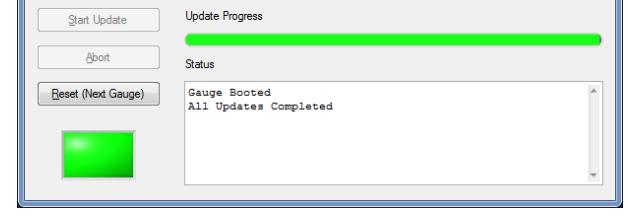
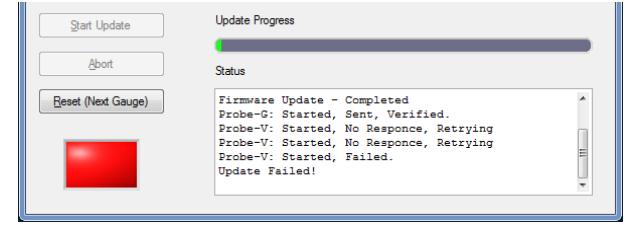


Updating the Firmware on a Cygnus Mk5 Surface Thickness Gauge

(for 'Cygnus Mk5 Surface Gauge Updater v2.14')

Updating the Gauge's Firmware

Step	Instructions	Notes																																				
1	Check Bluetooth is set to OFF in the gauge's Setup menu.																																					
2	Unplug the Probe from the gauge																																					
3	<p>Connect the Mk5 gauge to your computer using the USB lead. The gauge must be turned off.</p> <p>Wait while windows loads a driver and assigns a COM port number.</p> <p><i>NOTE. There should only be one Cygnus gauge connected to the computer at a time.</i></p>																																					
4	Run Cygnus Mk5 Surface Gauge Updater																																					
5	<p>Click [Find] to locate the COM Port - the "Found COM Port xx" message should be displayed.</p> <p>Click [Open] to open the port. The "Port Opened" message should be displayed.</p>	 																																				
6	<p>Click [Load Update File] and locate the new gauge firmware file you downloaded and load it.</p> <p>The table will list all the components in the update, Firmware followed by Probe Configuration files.</p> <p>Their Status will be 'Not Started'</p>	 <table border="1"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1 Firmware</td> <td>C6 V513-R725</td> <td>Not Started</td> </tr> <tr> <td>2 Probe Config 790</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>3 Probe Config S2C</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>4 Probe Config S2D</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>5 Probe Config S3C</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>6 Probe Config S5A</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>7 Probe Config S5C</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>8 Probe Config T2C</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>9 Probe Config T5B</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>10 Probe Config T5BH</td> <td>V01</td> <td>Not Started</td> </tr> <tr> <td>11 Probe Config T7A</td> <td>V01</td> <td>Not Started</td> </tr> </tbody> </table>	Component	Version	Status	1 Firmware	C6 V513-R725	Not Started	2 Probe Config 790	V01	Not Started	3 Probe Config S2C	V01	Not Started	4 Probe Config S2D	V01	Not Started	5 Probe Config S3C	V01	Not Started	6 Probe Config S5A	V01	Not Started	7 Probe Config S5C	V01	Not Started	8 Probe Config T2C	V01	Not Started	9 Probe Config T5B	V01	Not Started	10 Probe Config T5BH	V01	Not Started	11 Probe Config T7A	V01	Not Started
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7	<p>Click [Start Update], next turn on the Mk5 gauge - press the power-on button.</p> <p>The update should start and the progress bar will start to move.</p> <p>The Status will be 'Sending' then 'Sent' as each part is transferred.</p> <p><i>Note. The gauges display will remain blank during the Firmware update process.</i></p>	 <table border="1" data-bbox="1008 235 1405 482"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1 Firmware</td><td>C6 V513-R725</td><td>Sending</td></tr> <tr><td>2 Probe Config 790</td><td>V01</td><td>Not Started</td></tr> <tr><td>3 Probe Config S2C</td><td>V01</td><td>Not Started</td></tr> <tr><td>4 Probe Config S2D</td><td>V01</td><td>Not Started</td></tr> <tr><td>5 Probe Config S3C</td><td>V01</td><td>Not Started</td></tr> <tr><td>6 Probe Config S5A</td><td>V01</td><td>Not Started</td></tr> <tr><td>7 Probe Config S5C</td><td>V01</td><td>Not Started</td></tr> <tr><td>8 Probe Config T2C</td><td>V01</td><td>Not Started</td></tr> <tr><td>9 Probe Config T5B</td><td>V01</td><td>Not Started</td></tr> <tr><td>10 Probe Config T5BH</td><td>V01</td><td>Not Started</td></tr> <tr><td>11 Probe Config T7A</td><td>V01</td><td>Not Started</td></tr> </tbody> </table>  <table border="1" data-bbox="1008 640 1405 887"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1 Firmware</td><td>C6 V513-R725</td><td>Sent</td></tr> <tr><td>2 Probe Config 790</td><td>V01</td><td>Sent</td></tr> <tr><td>3 Probe Config S2C</td><td>V01</td><td>Sending</td></tr> <tr><td>4 Probe Config S2D</td><td>V01</td><td>Not Started</td></tr> <tr><td>5 Probe Config S3C</td><td>V01</td><td>Not Started</td></tr> <tr><td>6 Probe Config S5A</td><td>V01</td><td>Not Started</td></tr> <tr><td>7 Probe Config S5C</td><td>V01</td><td>Not Started</td></tr> <tr><td>8 Probe Config T2C</td><td>V01</td><td>Not Started</td></tr> <tr><td>9 Probe Config T5B</td><td>V01</td><td>Not Started</td></tr> <tr><td>10 Probe Config T5BH</td><td>V01</td><td>Not Started</td></tr> <tr><td>11 Probe Config T7A</td><td>V01</td><td>Not Started</td></tr> </tbody> </table>	Component	Version	Status	1 Firmware	C6 V513-R725	Sending	2 Probe Config 790	V01	Not Started	3 Probe Config S2C	V01	Not Started	4 Probe Config S2D	V01	Not Started	5 Probe Config S3C	V01	Not Started	6 Probe Config S5A	V01	Not Started	7 Probe Config S5C	V01	Not Started	8 Probe Config T2C	V01	Not Started	9 Probe Config T5B	V01	Not Started	10 Probe Config T5BH	V01	Not Started	11 Probe Config T7A	V01	Not Started	Component	Version	Status	1 Firmware	C6 V513-R725	Sent	2 Probe Config 790	V01	Sent	3 Probe Config S2C	V01	Sending	4 Probe Config S2D	V01	Not Started	5 Probe Config S3C	V01	Not Started	6 Probe Config S5A	V01	Not Started	7 Probe Config S5C	V01	Not Started	8 Probe Config T2C	V01	Not Started	9 Probe Config T5B	V01	Not Started	10 Probe Config T5BH	V01	Not Started	11 Probe Config T7A	V01	Not Started																																				
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8	<p>When all the updates have been successfully completed the indicator will be Green and all the Status should show "Sent".</p> <p>If the update fails for any reason the Status will show a "Update Failed!" message and the indicator will be Red.</p> <p>To re-try click [Reset (Next Gauge)] and start again. Remember to turn the gauge off.</p>	 <table border="1" data-bbox="1008 909 1405 1156"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1 Firmware</td><td>C6 V513-R725</td><td>Sent</td></tr> <tr><td>2 Probe Config 790</td><td>V01</td><td>Sent</td></tr> <tr><td>3 Probe Config S2C</td><td>V01</td><td>Sent</td></tr> <tr><td>4 Probe Config S2D</td><td>V01</td><td>Sent</td></tr> <tr><td>5 Probe Config S3C</td><td>V01</td><td>Sent</td></tr> <tr><td>6 Probe Config S5A</td><td>V01</td><td>Sent</td></tr> <tr><td>7 Probe Config S5C</td><td>V01</td><td>Sent</td></tr> <tr><td>8 Probe Config T2C</td><td>V01</td><td>Sent</td></tr> <tr><td>9 Probe Config T5B</td><td>V01</td><td>Sent</td></tr> <tr><td>10 Probe Config T5BH</td><td>V01</td><td>Sent</td></tr> <tr><td>11 Probe Config T7A</td><td>V01</td><td>Sent</td></tr> </tbody> </table>  <table border="1" data-bbox="1008 1224 1405 1448"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1 Firmware</td><td>C6 V513-R725</td><td>Sent</td></tr> <tr><td>2 Probe Config 790</td><td>V01</td><td>Sent</td></tr> <tr><td>3 Probe Config S2C</td><td>V01</td><td>Sent</td></tr> <tr><td>4 Probe Config S2D</td><td>V01</td><td>Sent</td></tr> <tr><td>5 Probe Config S3C</td><td>V01</td><td>Sent</td></tr> <tr><td>6 Probe Config S5A</td><td>V01</td><td>Sent</td></tr> <tr><td>7 Probe Config S5C</td><td>V01</td><td>Sent</td></tr> <tr><td>8 Probe Config T2C</td><td>V01</td><td>Sent</td></tr> <tr><td>9 Probe Config T5B</td><td>V01</td><td>Sent</td></tr> <tr><td>10 Probe Config T5BH</td><td>V01</td><td>Sent</td></tr> <tr><td>11 Probe Config T7A</td><td>V01</td><td>Sent</td></tr> </tbody> </table>  <table border="1" data-bbox="1008 1493 1405 1718"> <thead> <tr> <th>Component</th> <th>Version</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1 Firmware</td><td>C6 V513-R725</td><td>Sent</td></tr> <tr><td>2 Probe Config 790</td><td>V01</td><td>Sent</td></tr> <tr><td>3 Probe Config S2C</td><td>V01</td><td>Sent</td></tr> <tr><td>4 Probe Config S2D</td><td>V01</td><td>Sent</td></tr> <tr><td>5 Probe Config S3C</td><td>V01</td><td>Sent</td></tr> <tr><td>6 Probe Config S5A</td><td>V01</td><td>Sent</td></tr> <tr><td>7 Probe Config S5C</td><td>V01</td><td>Sent</td></tr> <tr><td>8 Probe Config T2C</td><td>V01</td><td>Sent</td></tr> <tr><td>9 Probe Config T5B</td><td>V01</td><td>Sent</td></tr> <tr><td>10 Probe Config T5BH</td><td>V01</td><td>Sent</td></tr> <tr><td>11 Probe Config T7A</td><td>V01</td><td>Sent</td></tr> </tbody> </table>	Component	Version	Status	1 Firmware	C6 V513-R725	Sent	2 Probe Config 790	V01	Sent	3 Probe Config S2C	V01	Sent	4 Probe Config S2D	V01	Sent	5 Probe Config S3C	V01	Sent	6 Probe Config S5A	V01	Sent	7 Probe Config S5C	V01	Sent	8 Probe Config T2C	V01	Sent	9 Probe Config T5B	V01	Sent	10 Probe Config T5BH	V01	Sent	11 Probe Config T7A	V01	Sent	Component	Version	Status	1 Firmware	C6 V513-R725	Sent	2 Probe Config 790	V01	Sent	3 Probe Config S2C	V01	Sent	4 Probe Config S2D	V01	Sent	5 Probe Config S3C	V01	Sent	6 Probe Config S5A	V01	Sent	7 Probe Config S5C	V01	Sent	8 Probe Config T2C	V01	Sent	9 Probe Config T5B	V01	Sent	10 Probe Config T5BH	V01	Sent	11 Probe Config T7A	V01	Sent	Component	Version	Status	1 Firmware	C6 V513-R725	Sent	2 Probe Config 790	V01	Sent	3 Probe Config S2C	V01	Sent	4 Probe Config S2D	V01	Sent	5 Probe Config S3C	V01	Sent	6 Probe Config S5A	V01	Sent	7 Probe Config S5C	V01	Sent	8 Probe Config T2C	V01	Sent	9 Probe Config T5B	V01	Sent	10 Probe Config T5BH	V01	Sent	11 Probe Config T7A	V01	Sent
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