Updating the Firmware on a Cygnus Mk5 Surface Thickness Gauge

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

1. Install the Update Program

To update the gauge, you will need to install the **Cygnus Mk5 Surface Gauge Updater** on your computer, the current software version is v2.17. You will only need to do this once.

You can get the installer package from Cygnus UK or download it from the Cygnus Website. On the Website click on 'Support' on the top menu then click on the 'Technical Software' link, you will see a link to 'M5 Surface Gauge Updater' which will download the EXE file.

This is a self-extracting EXE file so just run the file you have downloaded;

- When prompted click [**Setup**] to start installing..
- During installation when prompted just click [Next] to proceed
- You will have to choose to accept the License Agreement too, then click [Next]

[If you have downloaded a ZIP file instead extract the contents to a temporary location then Run the 'setup' file.]

2. Download the Gauge Firmware

You will need the correct Gauge Firmware for your gauge, you can either download this from the Cygnus website or request it via email from Cygnus Instruments directly.

The table below identifies the correct firmware for your gauge using the serial number label on the rear of the gauge.

Model	Gauge Rear Label	Firmware File to use (
M5-SG	ULTRASONIC THICKNESS GAUGE MODEL: MS-SG SERIAL NO.	M5-SG-Vxxx.zip
Cygnus 2/2+ Cygnus 3/3+ Cygnus 4/4+ Cygnus 5/5+ Cygnus 6+	Cygnus 2 ⁺ Serial No. Cygnus 4 ⁺ Serial No. Cygnus 6 ⁺ Serial No.	M5-C2-Vxxx-Rxxx.zip M5-C3-Vxxx-Rxxx.zip M5-C4-Vxxx-Rxxx.zip M5-C5-Vxxx-Rxxx.zip M5-C6-Vxxx-Rxxx.zip

These firmware files are all .zip files.

When you download the gauge firmware its filename contains the details of the firmware;

The file 'M5-C4-V531-R967' is for a Mk5 Cygnus 4 gauge.

C4 = Means Cygnus 4 or 4+ Gauge. V531 = Is the Version Number (5.31)

3. 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	Connect the Mk5 gauge to your computer using the USB lead. The gauge must be turned off . Wait while windows loads a driver and	
	assigns a COM port number. NOTE. There should only be one Cygnus gauge connected to the computer at a time.	
4	Run Cygnus Mk5 Surface Gauge Updater	
5	Click [Find] to locate the COM Port - the "Found COM Port xx" message should be displayed.	Cygnus Mk5 Surface Gauge Updater v2.14 September 2016 COM Port 14 Find Open Found COM Port 14 Cygnus Mk5 Surface Gauge Updater v2.14 September 2016
	Click [Open] to open the port. The "Port Opened" message should be displayed.	COM Port 14 Eind Close Port Opened
6	Click [Load Update File] and locate the new gauge firmware file you downloaded and load it.	Cygnus Mk5 Surface Gauge Updater v2.14 September 2016 COM Port 14 Eind Qose Port Opened
	The table will list all the components in the update, Firmware followed by Probe Configuration files.	Component Version Status
	Their Status will be '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 T2B V01 Not Started 10 Probe Config T5B V01 Not Started 11 Probe Config T5A V01 Not Started 11 Probe Config T7A V01 Not Started

