

This guide explains the stages to integrating your Vector Extensometer with Instron's Bluehill 3 software.

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Step one – Vector Interface

1.1	Open the Vector interface and connect to the appropriate Vector.
1.2	Then open the setting menu and navigate to analogue output control window.
1.3	By using the BNC icon, set the minimum and maximum strain values according to the expected strain

Step two – Bluehill software

2.1	Once Vector has been connected to a strain input channel, open the Bluehill software. Note – the transducer icon in the top right of the screen should show a greyed out connection.
2.2	Navigate to the admin table of Bluehill 3
2.2	Select the configurations menu and select the transducers option. A user defined transducer needs to be selected from the available list on the left and added to the list on the right.
2.3	The configuration, unit group and connector parameters can then be amended.
2.4	Once complete, Bluehill 3 must be restarted, to permanently apply the changes made in the admin tab.
2.5	Once reopened, select the greyed out transducer in the top right of the screen, this will open a dialogue box titled transducer settings.
2.6	Then open the Vector interface as both will be required to perform the signal calibration. Enter the strain values required. These must be the same values entered on the BNC tab in the settings window of Vector.

2.7	Once all values are entered, click the calibrate button in the transducer settings dialogue box and following the instructions, making sure to set the output of Vector to match what is required.
2.8	Once the calibration process is complete, check that manually setting the Vector output to the min and max outputs is matched within the Bluehill 3 software.
2.9	Vector is now set up and ready to be used with Bluehill 3.

If you have any issues, please contact your usual Imetrum representative for further assistance.