



What shall I do when I replace or calibrate a transducer?

Everytime a new calibration is performed, or a measuring instrument is replaced, an editing step will have to be performed.

Let's go back in time: when a transducer is originally installed on a Microplan test bench we either enter the associated theoretical values - engineering scale, output signal, etc. - into Microplan's calibration editor (usually Caled) or those of its calibration report, if available.

Let's make an example with a 0 – 100 mbar pressure transducer with a 4 – 20 mA output signal; theoretical values that we enter in this case are:

mbar	mA
0	4
100	20

If a calibration report is available, for the same transducer of our example, we register the calibration points listed in it, for example:

mbar	mA
0	3,997
25	7,991
50	11,997
75	16,008
100	19,999

Doing so we perfectly align the reading of the transducer with the reference instrument it was calibrated against, reducing the transducer error.

What happens if a transducer is replaced or re-calibrated? Previously elaborated conversion tables can't be used, being the scenario changed: **you have to edit new factors based on the new calibration certificates**, or at least enter the theoretical values ([read more](#)).

Moreover, when installing software updates, you might have received from Microplan, **be careful not to overwrite the calibration files**.

For any further information please contact [Microplan Support](#).