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Calibration is a process whereby you can know the accuracy of your equipment by comparing it with similar standard equipment. Calibration service is usually employed in to check scientific, industrial-use equipment or even musical instruments. For instance, if you have a hardness tester that has been in use for a couple of months, you can check its efficiency and accuracy by comparing it against another standard hardness tester of the same type.

Know more:

For years now, calibration service has been used as a reliable process to check the accuracy of several different types of instruments. This helps one understand if their equipment requires maintenance or repairs. The instrument which is being tested is known as the test instrument and the one being used for comparison is known as the standard instrument. In case a standard instrument is not available, the comparison can be carried out between two similar instruments by employing some parameters related to performance, time and output. It is important to calibrate instruments at regular intervals in order to ensure their accuracy and efficiency. This, in turn helps in meeting high production standards. Usually, the instrument to be calibrated requires a standard instrument that is at least 10 times more accurate that the test instrument.

Importance of availing services from the right firm:

Calibration serviceis a task best left to the experts because it requires adherence to several industry standards such as the National Institute of Standards (NIST) traceable standard. After an instrument has been â€˜calibrated' you need to get a detailed report that encapsulates each and every aspect of the test and results. In case the calibration report is normal, you need not worry much about the functioning of your instrument. However, if some major errors are reported, then you might have to undergo repairs or even a complete overhaul of your instruments. You should always partner with a reputed firm because they will offer you certified services at the best prices.

Calibration is needed at regular intervals:

There are several reasons why you should go for a calibration test. First and foremost is your manufacturer's recommendation. If the user manual of your equipment states that you need to get your instrument calibrated once in six months, then it is advisable to follow this. Alternatively, if you are going to handle a major project, it is important to get your equipment calibrated to ensure optimum output and best performance. You also need to get calibration tests after handling a major project because you can be sure that your equipment has undergone wear and tear.

These days, it is rather easy to find a good calibration services provider on the internet by running a search. You can compare two or more calibration service providers to choose the best one.

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Author is associated with United Calibration Corporation, one of the world's premier manufacturers

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