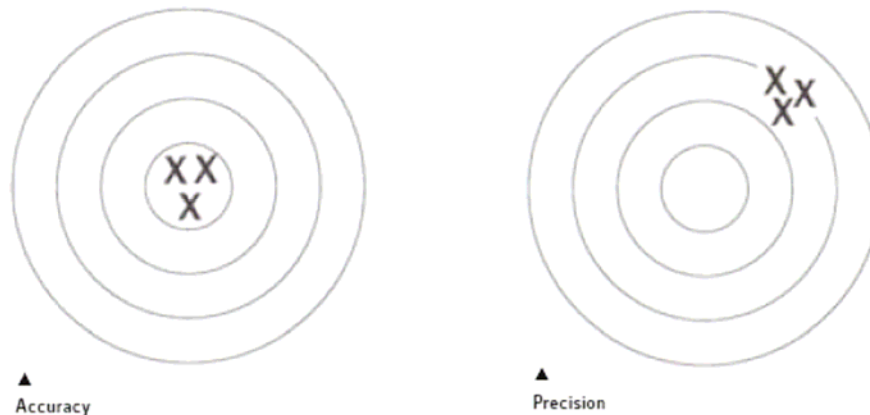


## Definition: Accuracy, Precision, Calibration

Precision, accuracy and calibration are all terms that we encounter frequently in our day-to-day life and certainly in specification of testing equipment. The illustrations below show the interrelationship between these terms.

Precision means that you can hit the same point time and again within certain error limits. But, as the target illustrates, you can be precise without 'hitting' the bullseye.

Accuracy is precision with calibration. This means that you not only repeat time and again within prescribed error limits but also that you hit what you are aiming for.



Precision, accuracy, calibration; similar terms but with very dissimilar meanings.

Accuracy is difficult without good precision. Precision, however, does not ensure accuracy. Precision with calibration results in accuracy.

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