Precision Encyclopedia Article

Precision

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Precision

Precision refers to the ability to repeat the same measurement and arrive at the same value. In **statistics**, precision refers to the difference between repeated measurements of the same quantity, where the closer the measurements are to each other; the greater the precision of the estimate of the quantity. Precise measurements are not necessarily accurate measurements, because the repeated measurements can be very close to the same value and still be far from correct. As an example, if the differences in ten measurements of the same distance are very close to each other, the distancemeasuring device is considered to be precise. However, there is no surety that the distance measured is correct unless the device is also accurate.