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engineering measurements are generally accurate to at most only a few digits three sometimes four digits of accuracy are considered standard for engineering analysis the number of significant digits is defined as the number of relevant or useful digits in a measurement

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measurement the process of associating numbers with physical quantities and phenomena measurement is fundamental to the sciences to engineering construction and other technical fields and to almost all everyday activities learn more about measurements in this article

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in mechanical engineering various measurement types are commonly used such as linear angular and temperature measurements other crucial measurement types include force pressure fluid flow and vibration these measurements are essential for designing manufacturing and maintaining mechanical systems and components

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measurement is the quantification of attributes of an object or event which can be used to compare with other objects or events in other words measurement is a process

of determining how large or small a physical quantity is as compared to a basic reference quantity of the same kind

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