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* Metrology is mainly concerned with establishing the unit of measurement reproducing these unit in the form of unit standards and ensuring the uniformity of measurement.

(ii):- Developing methods of measurement

(iii):- Analysing the accuracy of method of measurement, grasping into the cause of measuring error and eliminating these.

In the border of sense, metrology is not limited to length measurement but is also concerned with the industry inspection and its various techniques inspection is carried out with gauge and metrologist is intimately connected with the design manufacturing and testing of gauges of all types.

2 Legal metrology →

Legal metrology is that part of metrology which treats unit of the measurement method measurement, and measuring instruments, in relation to the technical and legal requirements.