

GLOSSARY

Definitions and explanation of terms used pertaining to balances and scales required in DOTD, AASHTO, and ASTM designations are as follows:

1. *Readability – the smallest fraction of a division at which the scale can be read with ease either by estimation or by use of Vernier.
2. Sensibility Reciprocal – the amount of weight required to move the position of the pointer one division. This is a measure of the sensitiveness of a balance.
3. Permissible Variation – the maximum allowable error in the value of the quantity indicated. (It is convenient to express permissible variation in terms of percentage error.)
4. Percentage of Error – the ratio, expressed as a percentage, of the error to the correct value of the quantity measured.
5. Accuracy – the agreement between the result of a measurement and the true of the quantity measured.
6. Precision – the degree of agreement or repeated measurements of the same quality.

* “Sensitive to”, “accurate to”, and “capable of weighing to the nearest” are phrases presently used in existing procedures. All of these terms refer to readability.