

**2001 CALIBRATION OF FIELD ELECTRONIC BALANCES
AASHTO M231**

2001.1 SCOPE

Electronic Balances must be verified/calibrated annually before each construction season. Balances that are damaged or need re-calibration during construction should be taken out of service and replaced with a calibrated scale.

Balances used on State and Local construction projects should conform to the following requirements with G2 and G5 balances being the most widely used:

General-Purpose Electronic Balances

<u>Class</u>	<u>Readability and Sensitivity</u>	<u>Accuracy^a</u>
G1	0.01g	0.02g or 0.1%
G2	0.1g	0.2g or 0.1%
G5	1g	2g or 0.1%
G20	5g	5g or 0.1%
G100	20g	20g or 0.1%

^a Accuracy equal to the mass stated or 0.1% of the test load, whichever is greater, throughout the range of use.

Follow AASHTO M231 for Calibration procedure.

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