



IEEE Standard Specification Format Guide and Test Procedure for Linear, Single-Axis, Nongyroscopic Accelerometers

Corrigendum 1: Changes to Annex K and Annex L

IEEE Aerospace and Electronic Systems Society

Sponsored by the
Gyro and Accelerometer Panel

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Abstract: Specification and test requirements for linear, single-axis, nongyroscopic accelerometers for use as a sensor in attitude control systems, linear displacement measuring systems, and linear rate measuring systems are defined. The specification format guide and test procedure standard applies to force-rebalance accelerometers (pendulous or translational proof mass), vibrating beam accelerometers (VBAs), and micromechanical accelerometers that range from lesser accuracy to high accuracy devices.

Keywords: accelerometers, force-rebalance mode, inertial instrument, inertial sensor, MEMS, MEMS gyro, micro-electro-mechanical system, nongyroscopic accelerometers, open loop mode, ratiometric output, VBA

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