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P/1071-306

ACCELERATION SENSOR AND MANUFACTURING METHOD THEREFOR

ABSTRACT OF THE DISCLOSURE

~~An acceleration sensor is disclosed in which its detection sensitivity can be maintained within the tolerance of a predetermined target value. Also disclosed is a manufacturing method for an acceleration sensor in which its detection sensitivity can be reliably contained within the tolerance of a prescribed target value. The acceleration sensor has~~ which includes a bimorph detection device. The device is longitudinally divided into central portions and peripheral portions, the direction of polarization at said central portion being inverted to the direction of polarization at said peripheral portions. The ratio Y/X of the overall length Y of the central portions to the freely-deflectable length X of the longitudinal detection device ranges from 44% to 73%. The device is manufactured by first producing and measuring the detection sensitivity of a sample device and then correcting the boundary lines of the central peripheral portions in accordance with the measurement of the detection sensitivity of the sample device.

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