

# AKS-05 NAVIGATION ACCELEROMETER



## PURPOSE:

Measuring of base linear acceleration vector projection on the accelerometer sensitivity axis.

## RANGE OF APPLICATION:

Multipurpose strapdown inertial navigation systems for space, air, marine and ground vehicles and objects;

## KEY FEATURES:

Pendular compensatory accelerometer with silicon sensitive element and capacitor sensor of sensitive element position, monoblock design with built-in electronic control device and temperature sensor.

## KEY SPECIFICATIONS:

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|--|----------------------------|
| • Range of measured linear acceleration, g | $\pm 20$                   |
| • Scale factor, mA/g                       | $1.1 \pm 0.11$             |
| • Bias stability, g                        | $5 \times 10^{-5}$         |
| • Scale factor stability, %                | 0.01                       |
| • Operating temperature range, °C          | -40...+85                  |
| • Input voltage, V                         | $\pm 15$                   |
| • Dimensions, mm                           | $\varnothing 41 \times 34$ |
| • Mass, g                                  | 80                         |