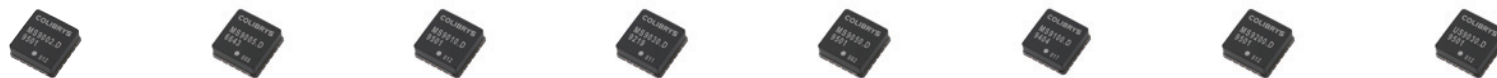


INERTIAL



Very precise measurement of acceleration and rotation is key to determine accurately and without external reference the position, the orientation and the velocity of a moving object.

This principle is extensively used in Inertial Measurement Units (IMU) or Attitude Heading Reference Systems (AHRS) for high precision guidance and navigation in the air, on the surface of earth or under water and is generally implemented as complement (short term data) or as replacement or backup of GPS in case of loss of signal or jamming.



	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)	LCC20 (8.9mm x 8.9mm)
Product name	MS9002.D	MS9005.D	MS9010.D	MS9030.D	MS9050.D	MS9100.D	MS9200.D	HS9030.D
Full scale	± 2g	± 5g	± 10g	± 30g	± 50g	± 100g	± 200g	± 30g
Long term stability in mg	1.5	3.75	7.5	22	37.5	75	150	50
Shock limit	6'000g	6'000g	6'000g	6'000g	6'000g	6'000g	6'000g	>20'000g
Description	MS9000 are highly stable single axis MEMS capacitive accelerometers designed to measure acceleration over a wide range (± 2g to ± 200g) with an excellent bias stability and low rectification error for applications under harsh environments. The products are ideal for a variety of mil/aerospace and industrial applications.							HS9000 is a gun hard version of the MS9000

INERTIAL



LCC48
(8.9mm x 8.9mm)

LCC48
(14.2mm x 14.2mm)

LCC48
(14.2mm x 14.2mm)

LCC48
(14.2mm x 14.2mm)

LCC48
(14.2mm x 14.2mm)

Product name

MS8002.D

MS8010.D

MS8030.D

MS8100.D

HS8030.D

Full scale

± 2g

± 10g

± 30g

± 100g

± 30g

**Long term stability
in mg**

1.5

7.5

22

75

50

Shock limit

6'000g

6'000g

6'000g

6'000g

>20'000g

Description

MS8000 are first Colibrys single axis MEMS capacitive accelerometers in LCC, designed to measure very precisely acceleration over a large range (± 2g to ± 100g) with an excellent reliability under harsh environments. The products are ideal for a variety of mil/aerospace and industrial applications.

HS8000 is the very successful gun hard version of MS8000