

TILT

Accelerometers are extensively used as tilt sensor or inclinometer to determine a slope, an elevation or a depression of a reference plane with regard to gravity.

The applications differentiate themselves through the required resolution and the absolute accuracy or combined total error, taking into consideration the linearity, the hysteresis and the stability under environmental conditions (vibrations, shocks, temperature). Tilt or pitch & roll indicators are used for high precision platform stabilization in various markets such as Mil/Aerospace, Industrial & Instrumentation or Energy



LCC20
(8,9mm x 8,9mm)

LCC20
(8,9mm x 8,9mm)

LCC48
(14,2mm x 14,2mm)

Product name	MS9001.D	MS9002.D
Full scale	± 1g or ± 60°	± 2g or ± 90°
Sensitivity in V/g	2	1
Sensitivity in mV/°	34.9	17.5
Description	MS9001 and MS9002 are single axis MEMS capacitive accelerometers designed for high resolution and high accuracy tilt measurements. The product is ideal for a variety of mil/aerospace and industrial applications.	

Product name	MS8002.D
Full scale	± 2g or ± 90°
Sensitivity in V/g	1
Sensitivity in mV/°	17.5
Description	MS8002 is a single axis MEMS capacitive accelerometer with superior reliability. The product is extensively used for tilt under harsh environments such as down borehole MWD and logging.