

Project on the design of an inertial measurement unit to be used in aerospace vehicles



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Escola Tècnica Superior d'Enginyeries
Industrial i Aeronàutica de Terrassa

Oriol Casamor Martinell

Directors : Joseba Quevedo and Manel Soria

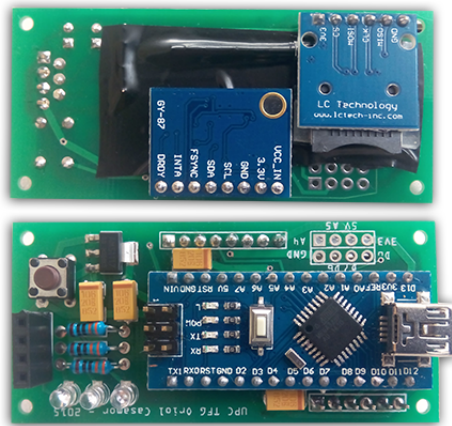
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This document contains : Technical Sheet

INERTIAL MEASUREMENT BOARD



An inertial measurement board that logs data from sensors into a microSD card, to be processed afterwards in a computer. To be used in performance analysis of aerospace vehicles such as model rockets. It can be controlled using only one button interface.

FEATURES	
Microcontroller	ATMEGA 328
Clock Speed	16 MHz
Dimensions	32 x 69 mm
Power supply	6-20 V
Battery Life	1h 30'
Available Additional Outputs	A4, A5, D6, D7, GND, 3V3, 5V
Accelerometer Sample rate	700 Hz
Barometers Sample rate	32 Hz
Magnetometer Sample Rate	75 Hz
Storage	microSD card