MPU-9250 Measurement Timing Limitations

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Gyroscope

- Output data rate: 8000Hz (125µs)
- Fuente **MPU-9250 Datasheet 3.1 Gyroscope Specifications**

Accelerometer

- Output data rate:
    - Low power mode: 500Hz (2ms)
    - Low noise mode: 4000Hz (250µs)
- Fuente **MPU-9250 Datasheet 3.2 Acceletometer Specifications**

Magnetometer

- Output data rate:
    - Measurement mode 1: 8Hz (125ms)
    - Measurement mode 2: 100Hz (10ms)
- Fuente **AK8963C Datasheet 6.4.3 Continuous Measurement Mode 1 and 2**