

PORTUGUESE INSTITUTE FOR QUALITY

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Available Calibration Services on the Time and Frequency Laboratory

EQUIPMENT	RANGE	UNCERTAINTY
Compute real time clock - synchronization		10 ms
High performance clocks: cesium (Cs), rubidium (Rb)		$(\Delta f/f) \approx 2 \times 10^{-14}$ 24 hours
Compute real time clock - synchronization		1 ms/d
GPS Receivers for speed measurement	Up to 300 km/h	0,5 km/h
Speedometers	Up to 300 km/h	1 km/h