



RFDA MF professional

The RFDA MF professional is used to do impulse excitation measurements at room temperature and is similar to the RFDA MF basic system. It uses a more sensitive microphone and an automated tapping device that ensures a ballistic impact on every measurement. Together, both improvements make for a user-friendly system that is more equipped to measure large batches of samples or to measure very small and/or porous samples.

Specifications

Measures	Resonant frequency Internal friction (=damping) Young's modulus Shear modulus Poisson ratio
Temperature profile	Room temperature
Atmosphere	Air
Hardware	RFDA MF professional Microphone (100kHz) Automatic excitation unit Universal Wire Support Computer system
Software	RFDA MF software
Minimum sample size*	- Rectangular bar or cylindrical rod with a length of ± 2 cm - Disc with a diameter of ± 3 cm
Maximum sample size	Undefined

*smaller is possible for very stiff materials



More info: www.imce.net/rfda-mf-professional

Measurement examples: [See annex](#)

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