# EZSLAM

ACCURATELY MEASURES ALL STATIC AND DYNAMIC CHARACTERISTICS OF A DOOR

# EZSLAM

## TECHNOLOGY

- EZSlam integrates precise algorithms and scientific methods into a comprehensive, simple tool for closure measurement
- EZSlam is easy to use and can be operated by non-metrology technicians
- Generates shareable results that assist in comparing designs, facilitates quality monitoring and accelerates the design analysis process
- Developers can investigate dependencies between components and optimize tolerance bands
- Used as a simple tool to monitor quality, troubleshoot issues and evaluate current standards
- EZSlam offers a method of combining information from several tests into one model and determines key characteristics that otherwise can only be estimated by time-consuming, iterative testing

## FEATURES

- Translates subjective impressions into numbers
- Offers a compact design and is easy to transport
- New handle design to improve comfort and accuracy on friction measurement for hinge and check systems
- Reduces typical testing time
- Increases accuracy of results
- All-in-one measurement
- Wireless operation
- Weight compensation

## KEY METRICS

- Minimum closing speed and minimum closing energy from fully open or any detent position
- Striker alignment, latch point, latch force, latch energy, and residual energy
- Hinge angle in X and Y, gravity, and energy
- Door check force curve, door check energy closing boost, and friction
- Inertia, weight, and door radius
- Cabin pressure peak and vacuum, cabin energy, and air evacuation
- Seal compression, seal dynamic damping, and flush sensitivity


## SPECIFICATIONS

| | |
|---|---|
| **Speed** | 0 - 2.5 m/sec |
| **Force** | 0 - 500 N |
| **Pressure** | -5 to +5 mbar |
| **Acquisition** | ~500 Hz |

## APPLICATIONS

- Advanced quality control in factories
- Troubleshoot existing door designs
- Benchmarking competitors' cars
- Assist with design and define influence of components
- Defines characteristics per segment: -sedan, SUV, luxury, standard, heavy duty
- Assist with new design and prototyping

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EZMETROLOGY

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