ISO/TC 22/SC 36

Date: 2017-09

Deleted: 08

ISO 6487:2015/PRF Amd.1 2017(E)

ISO/TC 22/SC 36

Secretariat: AFNOR

Road vehicles — Measurement techniques in impact tests — Instrumentation

Véhicules routiers — Techniques de mesurage lors des essais de choc — Instrumentation

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This document was prepared by ISO/TC 22, *Road vehicles*, Subcommittee SC 36, *Safety and impact testing*.

Road vehicles — Measurement techniques in impact tests — Instrumentation

4.5.3, Table 3

Replace Table 3 by the following:

Table 3 — Calibration procedures and uncertainties

Calibration procedures	Uncertainties	Calibration range
	Relative expanded measurement uncertainty (k=2) for transducer types used in crash testing specific to the maximum value of the calibration range	
Accelerometer Shock calibration (pendulum or shock table)	<1,8 %	Application range
Accelerometer Sinusoidal calibration (Shaker)	<2 % below 400 Hz	minimum amplitude : 0,1% of range or 25 m/s^2 whichever is greater min frequency < FH/5
	<2,5 % from 400 Hz to 2 kHz	minimum amplitude : 0,1% of range or 25 m/s^2 whichever is greater min frequency < FH/5
	<3,5 % from 2 kHz to 5 kHz	minimum amplitude : 0,1% of range or 25 m/s^2 whichever is greater min frequency < FH/5
Acceleration static calibration (centrifuge)	<1,5 %	min 500 m/s^2 or full scale of accelerometer if range is <500 m/s^2
Force sensor – static calibration	<1 %	Application range
Displacement (including optical displacement sensors)	<1 %	Application range
Angle	<1,5 %	Application range
Angular velocity	<3 %	min 25% of full scale or 2 400°/s whichever is lower
Angular acceleration	<3 %	Application range
Pressure	1%	Application range
Temperature	<1 % or 0,2 K	Application range