

ISO 18738:2003-08 (E)

Lifts (elevators) - Measurement of lift ride quality

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Measuring instrumentation	3
4.1	General	3
4.2	Characteristics	3
4.3	Processing of vibration data	4
4.4	Environmental effects	4
4.5	Sound measurement requirements	4
4.6	Calibration requirements	4
5	Evaluation of ride quality	5
5.1	Boundaries of calculation	5
5.2	Acceleration and deceleration	6
5.3	Jerk	7
5.4	Vibration	8
5.5	Velocity	10
5.6	Sound	11
6	Procedure and expression of results	12
6.1	Preparation for measurement and expression of results	12
6.2	Location of transducers	12
6.3	Personnel	14
6.4	Measurement process	14
6.5	Reporting of results	15
Annex A (normative) Calculation of peak-to-peak vibration levels		16
Annex B (normative) Calculation of constant and non-constant acceleration regions		17