

ISO/TR 19664:2017-05 (E)

Human response to vibration - Guidance and terminology for instrumentation and equipment for the assessment of daily vibration exposure at the workplace according to the requirements of health and safety

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Explanation of concepts used for the measurement process	2
5	Explanation of concepts used for instrumentation types	3
5.1	General	3
5.2	Vibration magnitude evaluation	3
5.3	Exposure time evaluation	4
5.3.1	Machine timer	4
5.3.2	Exposure timer	4
5.4	Exposure calculation based on external data	4
5.4.1	Vibration exposure calculator	4
5.4.2	Vibration meter with exposure calculation	4
5.4.3	Exposure timer with exposure calculation	5
5.5	Exposure evaluation by measurement	5
5.5.1	Personal vibration exposure meter (PVEM)	5
5.5.2	Vibration exposure meter (VEM)	5
6	Explanation of concepts used for the vibration magnitude source	5
6.1	General	5
6.2	Manufacturer emission value	5
6.3	Manufacturer supplementary values	5
6.4	Comparable machine values	6
6.5	Machine-specific vibration database values	6
6.6	Type-specific vibration database values	6
Annex A (informative) Examples of equipment for the evaluation of daily vibration exposure		7
Bibliography		10