

ISO 28927-4:2010-12 (E)

Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 4: Straight grinders

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	2
3.1	Terms and definitions	2
3.2	Symbols	2
4	Basic standards and vibration test codes	3
5	Description of the family of machines	3
6	Characterization of vibration	4
6.1	Direction of measurement	4
6.2	Location of measurements	4
6.3	Magnitude of vibration	5
6.4	Combination of vibration directions	5
7	Instrumentation requirements	5
7.1	General	5
7.2	Mounting of transducers	5
7.3	Frequency-weighting filter	6
7.4	Integration time	6
7.5	Auxiliary equipment	6
7.6	Calibration	6
8	Testing and operating conditions of the machinery	6
8.1	General	6
8.2	Operating conditions	7
8.3	Other quantities to be specified	7
8.4	Attached equipment, work piece and task	7
8.5	Operator	10
9	Measurement procedure and validity	10
9.1	Reported vibration values	10
9.2	Declaration and verification of the vibration emission value	11
10	Measurement report	11
Annex A (informative) Model test report for vibration emission of straight grinders		13
Annex B (normative) Determination of uncertainty		15
Annex C (normative) Design of test wheel		17
Bibliography		23