

ISO 28927-12:2012-10 (E)

Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 12: Die grinders

Contents	Page
Foreword	iv
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and symbols	2
3.1 General	2
3.2 Terms and definitions	2
3.3 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	5
6.3 Magnitude of vibration	7
6.4 Combination of vibration directions	7
7 Instrumentation requirements	7
7.1 General	7
7.2 Mounting of transducers	7
7.3 Frequency weighting filter	8
7.4 Integration time	8
7.5 Auxiliary equipment	8
7.6 Calibration	8
8 Testing and operating conditions of the machinery	8
8.1 General	8
8.2 Operating conditions	9
8.3 Other quantities to be specified	9
8.4 Attached equipment, workpiece and task	9
8.5 Operator	13
9 Measurement procedure and validity	13
9.1 Reported vibration values	13
9.2 Declaration and verification of the vibration emission value	14
10 Measurement report	14
Annex A (informative) Model test report for vibration emission of die grinders	16
Annex B (normative) Determination of uncertainty	18
Bibliography	20