

DIN EN ISO 28927-12:2013-02 (E)

Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 12: Die grinders (ISO 28927-12:2012)

Contents

Page

Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms, definitions and symbols	6
3.1 General	6
3.2 Terms and definitions	6
3.3 Symbols	6
4 Basic standards and vibration test codes	7
5 Description of the family of machines	7
6 Characterization of vibration	8
6.1 Direction of measurement	8
6.2 Location of measurements	9
6.3 Magnitude of vibration	11
6.4 Combination of vibration directions	11
7 Instrumentation requirements	11
7.1 General	11
7.2 Mounting of transducers	11
7.3 Frequency weighting filter	12
7.4 Integration time	12
7.5 Auxiliary equipment	12
7.6 Calibration	12
8 Testing and operating conditions of the machinery	12
8.1 General	12
8.2 Operating conditions	13
8.3 Other quantities to be specified	13
8.4 Attached equipment, workpiece and task	13
8.5 Operator	17
9 Measurement procedure and validity	17
9.1 Reported vibration values	17
9.2 Declaration and verification of the vibration emission value	18
10 Measurement report	18
Annex A (informative) Model test report for vibration emission of die grinders	20
Annex B (normative) Determination of uncertainty	22
Annex ZA (informativ) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	24
Bibliography	25