

DIN EN ISO 28927-10:2011-07 (E)

Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 10 : Percussive drills, hammers and breakers (ISO 28927-10:2011)

Contents	Page
Foreword	3
Annex ZA (informative) Relationship between this International Standard and the Essential Requirements of EU Directive 2006/42/EC	30
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms, definitions and symbols	6
3.1 Terms and definitions	6
3.2 Symbols	7
4 Basic standards and vibration test codes	7
5 Description of the family of machines	7
6 Characterization of vibration	11
6.1 Direction of measurement	11
6.2 Location of measurements	11
6.3 Magnitude of vibration	15
6.4 Combination of vibration directions	16
7 Instrumentation requirements	16
7.1 General	16
7.2 Mounting of transducers	16
7.3 Frequency weighting filter	16
7.4 Integration time	16
7.5 Auxiliary equipment	17
7.6 Calibration	17
8 Testing and operating conditions of the machinery	17
8.1 General	17
8.2 Operating conditions	17
8.3 Other quantities to be specified	18
8.4 Attached equipment, workpiece and task	18
8.5 Operator	23
9 Measurement procedure and validity	23
9.1 Reported vibration values	23
9.2 Declaration and verification of the vibration emission value	23
10 Measurement report	24
Annex A (informative) Model test report for percussive drills, hammers and breakers	25
Annex B (normative) Determination of uncertainty	27
Annex C (normative) Design of steel ball absorber	29
Bibliography	31