ISO 28927-3:2009-12 (E)

Hand-held portable power tools - Test methods for evaluation of vibration emission - P art 3: Polishers and rotary, orbital and random orbital sanders

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 1
3.1 Terms and definitions 2
3.2 Symbols 3

4 Basic standards and vibration test codes 3

5 Description of the family of machines 3

6 Characterization of vibration 6
6.1 Direction of measurement 6
6.2 Location of measurements 6
6.3 Magnitude of vibration 9
6.4 Combination of vibration directions 9

7 Instrumentation requirements 10
7.1 General 10
7.2 Mounting of transducers 10
7.3 Frequency weighting filter 10
7.4 Integration time 10
7.5 Auxiliary equipment 10
7.6 Calibration 11

8 Testing and operating conditions of the machinery 11
8.1 General 11
8.2 Operating conditions 11
8.3 Other quantities to be specified 12
8.4 Attached equipment, work piece and task 12
8.5 Operators 14

9 Measurement procedure and validity 15
9.1 Reported vibration values 15
9.2 Declaration and verification of the vibration emission value 15

10 Measurement report 16

Annex A (informative) Model test report for vibration emission of polishers and sanders 17

Annex B (normative) Determination of uncertainty 19

Bibliography 22