

# ISO 15744:2002-03 (E)

## Hand-held non-electric power tools - Noise measurement code - Engineering method (grade 2)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms, definitions and symbols .....	2
4	Machinery families .....	5
4.1	Applicability of this International Standard .....	5
4.2	Other equipment .....	6
5	Sound power level determination .....	6
5.1	General .....	6
5.2	Measurement surface .....	6
5.3	Calculation .....	7
6	Emission sound pressure level determination .....	8
6.1	A-weighted emission sound pressure level at the work station .....	8
6.2	C-weighted peak emission sound pressure level at the work station .....	9
7	Power tool installation and mounting during noise tests .....	9
7.1	General .....	9
7.2	Loading devices .....	9
8	Loading and operating conditions .....	10
8.1	General .....	10
8.2	Orbital and random orbital sanders .....	11
8.3	Non-rotary percussive tools .....	12
8.4	Needle scalers .....	13
8.5	Rotary percussive tools .....	14
8.6	Ratcheting screwdrivers, impact wrenches and impulse wrenches .....	15
9	Measurement uncertainty .....	16
10	Information to be recorded .....	16
11	Test report .....	18
12	Declaration and verification of noise emission values .....	18
Annex A (informative) Model test report .....		20
Annex B (informative) Model form for declared noise emission values .....		21
Annex C (informative) Technical justification for selection of measurement surface and method of sound power calculation .....		22
Bibliography .....		24