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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22665.4-2008

**Measurement of vibrations at the handle of hand-held electric
tools -- Part 4: Sanders and polishers other than disk type**

手持式电动工具手柄的振动测量方法 第4部分：非盘式砂光机和抛光机

(English Translation)

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Foreword

This section GB/T 22665 "Measurement of vibrations at the handle of hand-held electric tools" series of standards in Part 4. The standard series Prospective structure and names are as follows.

GB/T 22665.1 handheld power tool handle vibration measurement - Part 1. drills and impact drills Vibration measurement methods GB/T 22665.2 handheld power tool handle - Part 2. screwdrivers and impact wrenches GB/T 22665.3 handheld power tool handle vibration measurement - Part 3. Grinders, polishers and disc sanders Vibration measurement methods GB/T 22665.4 handheld power tool handle - Part 4. Non-disc sanders and polishers GB/T 22665.5 Vibration Measurement Methods handheld power tool handle 5. Circular Saw GB/T 22665.6 Measuring methods for vibration - Part 6 hand-held power tool handle. Hammer Tools GB/T 22665.8 Vibration Measurement Methods handheld power tool handle 8. electric shears and GB/T 22665.9 handheld power tool handle vibration measurement - Part 9. Tapping machine GB/T 22665.11 handheld power tool vibration measurement methods handle - Part 11. Reciprocating saws (jig saws, saber saws) GB/T 22665.13 vibration measuring methods - Part handheld power tool handle 13. Chain Saw GB/T 22665.14 vibration measuring methods - Part handheld power tool handle 14. Planer GB/T 22665.15 Measuring methods for vibration - Part 15 hand-held power tool handle. pruning shears GB/T 22665.17 handheld power tool handle vibration measurement - Part 17. routers and trimmers GB/T 22665.18 vibration measuring methods - Part handheld power tool handle 18. Binder GB/T 22665.20 handheld power tool handle vibration measurement - Part 20. bandsaw GB/T 22665.21 handheld power tool handle vibration measurement methods Part 21. drain cleaners the section on technical content and EN60745-1:2006 "hand-held electric tools - Safety - Part 1. General requirements" and EN 60745-2-4:2003 + A11.2007 "hand-held electric tools - Safety Part 2-4. Non-dedicated disc sanders and polishers to Request "on the method of vibration measurements coordinated.

This part of the Annex A, Annex B normative appendix.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Power Tools Standardization Technical Committee.

This section is responsible for drafting unit. Shanghai Electric Tool Research Institute.

1 Scope

This section GB/T 22665 requirements for handheld non-disc sanders and polishers in three orthogonal axes of a measurement of hand-transmitted vibration Like way to the center frequency of octave band measurements of 8Hz ~ 1000Hz.

This section applies to the frequency weighted vibration acceleration by hand-transmitted vibration evaluation method not specified vibration limits.

In human exposure to hand-transmitted vibration workplace conditions assessments may be ISO 5349-1 and ISO 5349-2.

2 Normative references

The following documents contain provisions which, through reference GB/T 22665 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 15619-2005 Mechanical vibration and shock human exposure vocabulary GB/T 2900.28-2007 Electrotechnical terminology - Power Tools GB/T 2298-1991 Mechanical vibration and shock term (neq ISO 2041:1990) GB/T 3241 octave and fractional octave filters ISO 5349-1 Mechanical vibration of human exposure to hand-transmitted vibration measurement and evaluation - Part 1. General requirements ISO 5349-2 Mechanical vibration of human exposure to hand-transmitted vibration measurement and evaluation - Part 2. Application to the measurement of the workplace guide ISO 8041:2005 Human response to vibration - measuring instruments

3 Terms and definitions, symbols

GB/T 15619, GB/T 2900.28, terms and definitions GB/T 2298 provisions, the following terms and definitions apply to this section.

Usually applied directly or mechanical vibration transmitted to the human arm system (impact) by holding the tool or workpiece palm or fingers.

An acceleration weighted according to the laws of human physiological effects of different frequencies of vibration and feel the response generated.

3.3 Symbol

This section uses the following symbols.

Rao hw frequency-weighted hand-transmitted vibration rms axis acceleration, m/s Rao hw
x, y hw Rao, Rao Rao hw hw z value, m/s in each direction X, Y and Z provisions Rao hv
frequency weighted rms vibration acceleration gross, m/s ²; it is triaxial vibration
measurements and the value of the square root of Rao hw Rao h all operators of the
arithmetic mean of the measurement results, the total vibration value, m/s ², namely the
results of the test