DIN EN ISO 5349-3:2026-03 (E)

Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 3: Isolated and repeated shocks using the frequency range of ISO 5349-1 (ISO 5349-3:2025)

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Symbols and abbreviated terms ... **2**

5 Hand-transmitted shock ... **3**

6 Measurement and evaluation ... **4**

6.1 Evaluation of continuous hand-transmitted vibration ... 4

6.2 Frequency range and frequency weightings ... 4

6.3 Evaluation of HTS ... 5

6.4 Measuring HTS ... 5

6.4.1 General ... 5

6.4.2 Location and orientation of transducers ... 5

6.4.3 Determining the instantaneous total values ... 5

6.4.4 Transducer coupling ... 6

6.4.5 Sampling ... 7

6.4.6 Measurement period ... 7

7 Application of HTS evaluations ... **8**

7.1 Emission information ... 8

7.2 Health effects ... 8

8 Test report ... **8**

Annex A (informative) **Isolated and continuous hand-transmitted shock** ... **9**

Annex B (informative) **Examples of VPM, p_F measured on common machine types** ... **14**

Annex C (informative) **Supplementary measurement parameters** ... **15**

Bibliography ... **20**