

ISO 10813-1:2004-08 (E)

Vibration generating machines - Guidance for selection - Part 1: Equipment for environmental testing

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements for vibration tests	1
4.1 Vibration test purposes	1
4.2 Test methods	2
5 Types and characteristics of vibration generators	3
5.1 Main types of vibration generators	3
5.2 Major parameters	4
5.3 Features	5
5.4 Comparison between electrodynamic, servohydraulic and mechanical vibration generators	11
6 Recommendations for the selection of vibration generators	11
6.1 Selection of type	11
6.2 Selection of the model	12
6.3 Selection of components	16
Annex A (informative) Examples of selections	21
Annex B (informative) Vibration severity in test methods standardized by the IEC	23
Bibliography	25