
Escalators and moving walks —
Part 9:
Measurement of ride quality

Escaliers mécaniques et trottoirs roulants —

Partie 9: Mesure de la qualité de leur déplacement





COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Measuring instrumentation	3
4.1 General.....	3
4.2 Characteristics.....	3
4.3 Processing of vibration data.....	4
4.4 Environmental effects.....	4
4.5 Sound measurement requirements.....	4
4.6 Calibration requirements.....	5
4.6.1 General.....	5
4.6.2 Vibration measuring system.....	5
4.6.3 Sound measuring system.....	5
5 Measuring and reporting	5
5.1 General measuring conditions.....	5
5.2 General procedure.....	5
5.3 Vibration measurement.....	5
5.3.1 Special measuring conditions.....	5
5.3.2 Procedure for load carrying unit vibration measurement.....	6
5.3.3 Procedure for handrail vibration measurement.....	8
5.4 Sound measurement.....	10
5.4.1 General.....	10
5.4.2 Special measuring conditions.....	10
5.4.3 Microphone positions.....	10
5.4.4 Procedure for sound measurement.....	11
5.5 Reporting of results.....	12
Annex A (informative) Ride quality corrected sound pressure estimation	15
Bibliography	17