INTERNATIONAL STANDARD

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AMENDMENT 1
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Mechanical vibration and shock — Characterization of the dynamic mechanical properties of visco-elastic materials —

Part 3: Cantilever shear beam method

AMENDMENT 1

Vibrations et chocs mécaniques — Caractérisation des propriétés mécaniques dynamiques des matériaux visco-élastiques —

Partie 3: Méthode du faisceau par cisaillement en encorbellement

AMENDEMENT 1

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Foreword

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Amendment 1 to ISO 18437-3:2005 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*.

Mechanical vibration and shock — Characterization of the dynamic mechanical properties of visco-elastic materials —

Part 3:
Cantilever shear beam method

AMENDMENT 1

Page iv, Foreword

Add after Part 3:

— *Part 4: Dynamic stiffness method*

— *Part 5: Poisson's ratio based on comparison between measurements and finite element analysis*

Delete at the end of the list:

Part 4 (*Impedance method*) is under preparation.

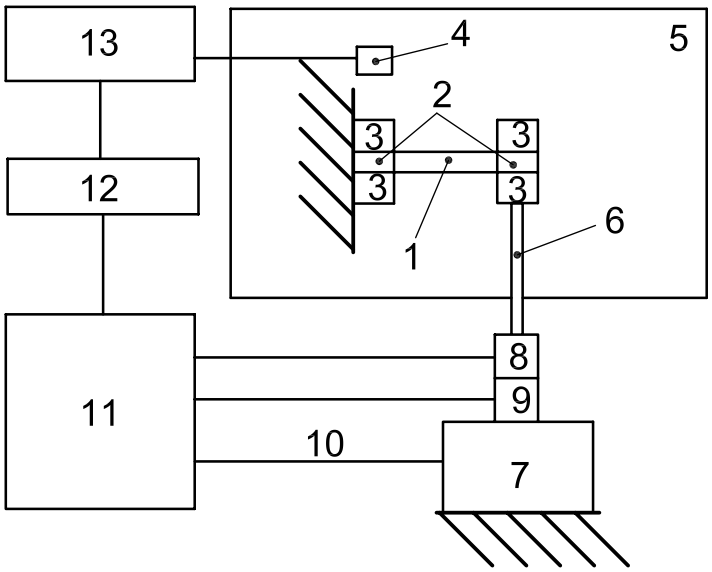
Add at the end of the list:

The following part is in preparation:

— Part 1: Principles and guidelines

Page 4, Figure 1

Replace the existing figure by the following.



Key

1 beam specimen
2 specimen end blocks
3 specimen clamps
4 temperature sensor
5 environmental chamber
6 drive shaft
7 electro-dynamic vibration generator
8 force sensor
9 displacement sensor
10 drive input
11 instrument controls for force, displacement, and drive units
12 computer
13 temperature control unit

NOTE The drive shaft is rigidly attached to the sample clamp and vibration generator so motion is that of a shear beam.

Figure 1 — Schematic diagram of test apparatus

Page 4, 4.4, paragraph 2

Replace the existing text by the following:

The rigidity of the drive shaft and clamping fixture shall be tens to hundreds times larger than the bending stiffness of the specimen so that all of the measured displacement may be attributed to sample deformation.

ICS 17.160

Price based on 2 pages