ISO 16826:2025-03 (E)

Non-destructive testing - Ultrasonic testing - Testing for discontinuities perpendicular to the surface

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

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

4 Test equipment and test personnel ... **1**

5 Tandem technique ... **2**

5.1 General ... 2
5.2 Probe movement ... 3
5.3 Time base setting ... 3
5.4 Sensitivity setting ... 3
5.5 Determination of test zones ... 4
5.6 Depth-gain diagram for tandem technique ... 5
5.7 Corrections of sensitivity ... 6
5.8 Test objects with concentric surfaces ... 6
5.8.1 General ... 6
5.8.2 Scanning on a concave surface ... 7
5.8.3 Scanning on a convex surface ... 7

6 Longitudinal-longitudinal-transverse wave technique ... **8**

6.1 General ... 8
6.2 Time base setting and determination of depth of a discontinuity ... 9
6.3 Sensitivity setting ... 10
6.4 Determination of the depth of the intersection of the beam axes ... 10
6.5 Sensitivity diagram for LLT technique ... 11
6.6 Correction of sensitivity ... 11

Annex A (informative) **Nomograms for tandem distances for convex and concave surfaces** ... **12**

Bibliography ... **15**