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**