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**Non-destructive testing —
Ultrasonic testing — General
principles**

*Essais non destructifs — Contrôle par ultrasons — Principes
généraux*

ISO 16810

**Second edition
2024-10**

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Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Qualification and certification of test personnel	2
5 Information required prior to testing	2
6 Principles of ultrasonic testing (UT)	2
6.1 General.....	2
6.2 Wave mode and direction of sound propagation.....	3
6.3 Through-transmission technique.....	3
6.4 Pulse-echo technique.....	3
7 Test equipment	3
7.1 Instrument.....	3
7.2 Probes.....	3
7.2.1 General.....	3
7.2.2 Probe selection.....	4
7.2.3 Frequency and dimensions of transducer.....	4
7.2.4 Dead zone.....	4
7.2.5 Damping.....	4
7.2.6 Focusing probes.....	4
7.3 Coupling media.....	5
7.4 Standard blocks.....	5
7.5 Reference blocks.....	5
7.6 Specific test blocks.....	6
8 Settings	6
8.1 General.....	6
8.2 Range.....	6
8.3 Sensitivity.....	7
8.4 Pulse repetition frequency.....	7
9 Preparation for testing	7
9.1 Surface preparation.....	7
9.2 Identification and datum points.....	7
9.3 Application of transfer correction.....	7
10 Testing	8
10.1 Coverage of testing.....	8
10.2 Overlapping.....	8
10.3 Scanning speed.....	8
10.4 Evaluation and recording levels.....	8
10.4.1 General.....	8
10.4.2 Pulse-echo technique.....	8
10.4.3 Through-transmission technique.....	8
11 Characterization of discontinuities	9
11.1 Pulse-echo technique.....	9
11.2 Through-transmission technique.....	9
12 Test procedure	9
13 Test report	10
Bibliography	11

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This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 16810:2012), which has been technically revised.

The main changes are as follows:

- normative references have been updated;
- [Clause 3](#) Terms and definitions refers to ISO 5577 as a source of terms;
- editorial revisions and usage of terms has been harmonized.

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The following International Standards are linked:

ISO 16810, *Non-destructive testing — Ultrasonic testing — General principles*

ISO 16811, *Non-destructive testing — Ultrasonic testing — Sensitivity and range setting*

ISO 16823, *Non-destructive testing — Ultrasonic testing — Through-transmission technique*

ISO 16826, *Non-destructive testing — Ultrasonic testing — Testing for discontinuities perpendicular to the surface*

ISO 16827, *Non-destructive testing — Ultrasonic testing — Characterization and sizing of discontinuities*

ISO 16828, *Non-destructive testing — Ultrasonic testing — Time-of-flight diffraction technique for detection and sizing of discontinuities*