

Proving systems for meters used in dynamic measurement of liquid hydrocarbons —

Part 3: Methods for pulse interpolation

[ISO title: Liquid hydrocarbons — Dynamic measurement —
Proving systems for volumetric meters — Part 3: Pulse
interpolation techniques]

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Petroleum Standards Committee (PTC/-) to Technical Committee PTC/12, upon which the following bodies were represented:

- Department of Energy (Gas and Oil Measurement Branch)
- Department of Trade and Industry (National Engineering Laboratory)
- Department of Trade and Industry (National Weights and Measures Laboratory)
- Department of Transport (Marine Directorate)
- General Council of British Shipping
- Institute of Petroleum
- National Association of Commodity Cargo Superintendents and Surveyors
- Royal Institution of Naval Architects
- Salvage Association
- United Kingdom Petroleum Industry Association Ltd.

The following bodies were also represented in the drafting of the standard, through sub-committees and panels:

- GAMBICA (BEAMA Ltd.)
- Institute of Measurement and Control
- United Kingdom Offshore Operators Association

This British Standard, having been prepared under the direction of the Petroleum Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 June 1987

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National foreword

This Part of BS 6866 has been prepared under the direction of the Petroleum Standards Committee and is identical with ISO 7278-3:1986 “*Liquid hydrocarbons — Dynamic measurement — Proving systems for volumetric meters — Part 3: Pulse interpolation techniques*”. ISO 7278-3 was prepared by Technical Committee 28, Petroleum products and lubricants, of the International Organization for Standardization (ISO) as the result of discussions in which the UK participated.

The International Standard forms part of a series in which the following other parts are in preparation:

- *Part 1: General principles;*
- *Part 2: Pipe provers.*

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “part of ISO 7278” or “International Standard” appear, referring to this standard, they should be read as “Part of BS 6866”.

Cross-references

International Standard	Corresponding British Standard
	BS 6169 <i>Methods for volumetric measurement of liquid hydrocarbons</i>
ISO 2714:1980	Part 1:1981 <i>Displacement meter systems (other than dispensing pumps)</i> (Identical)
ISO 2715:1981	Part 2:1984 <i>Turbine meter systems</i> (Identical)
ISO 6551:1982	BS 6439:1983 <i>Recommendations for fidelity and security of dynamic measurement of petroleum liquids and gases in cabled transmission as electric and/or electronic data</i> (Identical)

The other standards referred to in clause 2, i.e. ISO 4267-2¹⁾, ISO 7278-1 and ISO 7278-2¹⁾, are not essential references for the use of this standard and there are at present no corresponding or related British Standards. The draft of ISO 7278-1 was considered by the UK Committee responsible and a vote of disapproval was submitted, but the validity of ISO 7278-3 is not affected. At present, it is not intended to implement ISO 7278-1 even if the UK comments that led to disapproval are resolved. It is not yet known whether ISO 4267-2 and ISO 7278-2 will be implemented as British Standards.

Additional information. Because of the rate of technical development in pulse interpolation techniques, a revision of ISO 7278-3 is to be considered in ISO/TC 28 when further experimental data has been collected. This is expected to result in the early revision of this Part of BS 6866.

¹⁾ At draft stage.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

