

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

Part 1: Introduction

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Petroleum Standards Policy 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 Transport (Marine Directorate)
- General Council of British Shipping
- Institute of Petroleum
- Royal Institution of Naval Architects
- Salvage Association

The following bodies were also represented in the drafting of the standard, through subcommittees 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 Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 July 1990

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The following BSI references relate to the work on this standard:
Committee reference PTC/12
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National foreword

This Part of BS 6866 has been prepared under the direction of the Petroleum Standards Policy Committee and is identical with ISO 7278-1:1987 “*Liquid hydrocarbons — Dynamic measurement — Proving systems for volumetric meters — Part 1: General principles*”. ISO 7278-1 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 United Kingdom participated.

BS 6866-1 forms part of a series, each of which is identical with the corresponding Part of ISO 7278. The other Parts of BS 6866 are as follows:

- Part 2: *Methods for design, installation and calibration of pipe provers* (Identical with ISO 7278-2:1988);
- Part 3: *Methods for pulse interpolation* (Identical with ISO 7278-3:1986).

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 4267-2:1988	BS 7286 <i>Method for calculation of petroleum and liquid petroleum products</i> Part 2:1990 <i>Dynamic measurement</i> (Identical)
	BS 6866 <i>Proving systems for meters used in dynamic measurement of liquid hydrocarbons</i>
ISO 7278-2:1988	Part 2:1990 <i>Methods for design, installation and calibration of pipe provers</i> (Identical)
ISO 7278-3:1986	Part 3:1987 <i>Methods for pulse interpolation</i> (Identical)

ISO 4124 to which reference is made in clause 2 and elsewhere in this standard has not yet been published but it is likely to be approved by the responsible BSI Committee for implementation as a British Standard.

With reference to the footnote to clause 9 both standards referred to have now been published.

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 and ii, pages 1 to 6, 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.