

INSTITUTE OF PETROLEUM
PETROLEUM MEASUREMENT MANUAL

PART X

Meter Proving

Section 4

**Recommended UK Practice for Testing, Operating and
Maintaining Road Tanker Metering Systems**

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RECOMMENDED UK PRACTICE FOR TESTING, OPERATING AND
MAINTAINING ROAD TANKER METERING SYSTEMS

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FOREWORD

Measurement accuracy is essential in the sale, purchase and handling of petroleum products. It reduces the likelihood of disputes between buyer and seller and facilitates control of losses. Accurate measurement demands the use of standard equipment and procedures.

The Petroleum Measurement Committee of the Institute of Petroleum is responsible for the production and maintenance of standards and guides covering the various aspects of static and dynamic measurement of petroleum. These are issued as separate Parts and Sections of the Institute's *Petroleum Measurement Manual*, which was first published in 1952.

Membership of the IP working panels is made up of experts from the oil industry, equipment manufacturers, cargo surveyors and government authorities. Liaison is maintained where appropriate with parallel working groups of the Committee on Petroleum Measurement of the American Petroleum Institute, and is extended as necessary to embrace other organizations concerned with quantitative measurement in other countries and in other industries.

Users are invited to send comments, suggestions, or details of experience with this issue to;

The Secretary, Petroleum Measurement Committee,
Institute of Petroleum,
61 New Cavendish Street,
London W1M 8AR,
United Kingdom.

The *Petroleum Measurement Manual* is widely used by the petroleum industry and has received recognition in many countries by consumers and the authorities. In order to promote their wide adoption internationally, it is the policy to submit selected standards through the British Standards Institution to Technical Committee 28—Petroleum Products and Lubricants—of the International Organization for Standardization (ISO) as potential International Standards.

A full list of Parts and Sections of the *Petroleum Measurement Manual* (PMM) is available on request from the Institute of Petroleum.

Note

The IP *Petroleum Measurement Manual* is recommended for general adoption but must be read and interpreted in conjunction with weights and measures, safety and other regulations in force in a particular country in which it is to be applied. Such regulatory requirements shall have precedence over corresponding clauses in the Manual. The Institute disclaims responsibility for any personal injury, or loss or damage to property howsoever caused, arising from the use or abuse of any Part or Section of the Manual.

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INTRODUCTION

This code of practice is intended to assist those involved in all aspects of testing, operating and maintaining the meter measuring systems on road tankers. The use of such systems is controlled by legislation introduced by the Department of Trade and Industry, and enforced by the Weights and Measures Authorities. Regulations (made under the Weights and Measures Act 1985) exist which specify the requirements for these meter measuring systems. Notes for the guidance of trading standards officers have been issued but no code of practice for users has been available hitherto. This code has therefore been produced to correct that situation.

It should be noted that the code applies principally to metered deliveries of gas oil, derv and kerosine.

It does not cover:

- (a) metered discharges under gravity of gasoline to filling stations;
- (b) deliveries of lubricating oils;
- (c) other products specifically excluded by Reference 1.

This code is restricted to pumped systems only.