

Australian Standard[®]

**Liquid hydrocarbons—
Dynamic measurement—
Proving systems for
volumetric meters**

**Part 3: Pulse interpolation
techniques**

This Australian Standard was prepared by Committee ME/49, Oil and Gas Measurement. It was approved on behalf of the Council of Standards Australia on 15 August 1994 and published on 5 January 1995.

The following interests are represented on Committee ME/49:

Australian Customs Service
Australian Gas Association
Australian Institute of Petroleum
Australian Institute of Physics
Australian Liquefied Petroleum Gas Association
Australian Petroleum Exploration Association
CSIRO, Division of Applied Physics
Department of Primary Industries and Energy
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PREFACE

This Standard was prepared by the Standards Australia Committee on Oil and Gas Measurement and is designated Part 3 of a series of Standards dealing with petroleum liquid measurement systems under the general title *Liquid hydrocarbons—Dynamic measurement—Proving systems for volumetric meters*. Part 3 covers *Pulse interpolation techniques*.

Other Standards or proposed Standards in this series are as follows:

Part 1: General principles

Part 2: Pipe provers

Part 4: Temperature corrections in volumetric calibration by water transfer method

Part 5: Dynamic measurement

The Standard is identical with and has been reproduced from ISO 7278.3:1986, *Liquid hydrocarbons—Dynamic measurement—Proving systems for volumetric meters*, Part 3: *Pulse interpolation techniques*.

For the purpose of this Australian Standard, the ISO text should be modified by replacing any references to 'International Standard' with 'Australian Standard'.

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
2714	Liquid hydrocarbons—Volumetric measurement by displacement meter systems other than dispensing pumps	2652	Liquid hydrocarbons—Volumetric measurement by displacement meter systems other than dispensing pumps
2715	Liquid hydrocarbons—Volumetric measurement by turbine meter systems	2651	Liquid hydrocarbons—Volumetric measurement by turbine meter systems
4267	Petroleum and liquid petroleum products—Dynamic measurement	4250	Liquid hydrocarbons—Dynamic measurement—Proving systems for volumetric meters
4267.2	Part 2: Calculation of oil quantities	4250.5	Part 5: Dynamic measurement
6551	Petroleum liquids and gases—Fidelity and security of dynamic measurement—Cabled transmission of electric and/or electronic pulse data	2707	Petroleum liquids and gases—Fidelity and security of dynamic measurement—Cabled transmission of electric and/or electronic pulse data
7278	Liquid hydrocarbons—Proving systems for meters used in dynamic measurement	4250	Liquid hydrocarbons—Dynamic measurement—Proving systems for volumetric meters
7278.1	Part 1: General principles	4250.1	Part 1: General principles
7278.2	Part 2: Pipe provers	4250.2	Part 2: Pipe provers

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