



# MALAYSIAN STANDARD

MS 2292:2018

**Measurement of fluid flow in closed conduits  
- Guidance to the selection, installation and  
use of Coriolis flowmeters (mass flow,  
density and volume flow measurements)  
(First revision)**

**ICS: 17.120.10**

Descriptors: coriolis meter, gas, measurement, fluid, flow, closed conduits, guidance, selection, installation, mass flow, density, volume flow

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## Contents

	<b>Page</b>
Committee representation .....	ii
Foreword.....	iv
Introduction .....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Coriolis flowmeter selection criteria .....	7
5 Inspection and compliance.....	14
6 Mass flow measurement .....	15
7 Density measurement.....	22
8 Volume flow measurement at metering conditions.....	26
Annex A Calibration techniques.....	29
Annex B Safety guidelines for the selection of Coriolis flowmeters .....	33
Annex C Considerations for multi-component liquid systems.....	36
Annex D Miscible liquids containing chemically non-interacting components.....	39
Bibliography .....	42

## **Committee representation**

The Industry Standards Committee on Petroleum and Gas (ISC H) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Department of Occupational Safety and Health Malaysia  
Department of Standards Malaysia  
Energy Commission  
Federation of Malaysian Manufacturers - Malaysian Industrial Gases Manufacturers Group  
Fire and Rescue Department of Malaysia  
Malaysian Gas Association  
Malaysian Oil & Gas Engineering Council  
Malaysian Palm Oil Board  
Malaysian Plastics Manufacturers Association  
Ministry of Domestic Trade, Co-operatives and Consumerism  
Ministry of International Trade and Industry  
Petroleum Nasional Berhad (Group Technical Solutions)  
PETRON Malaysia Refining & Marketing Bhd  
Road Transport Department Malaysia  
Royal Malaysian Customs Department  
SIRIM Berhad (Secretariat)  
Shell Malaysia Trading Sdn Bhd  
The Institution of Engineers, Malaysia  
Universiti Kebangsaan Malaysia  
Universiti Teknologi Malaysia  
Universiti Teknologi PETRONAS

The Technical Committee on Petroleum and Gas Measurement which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

Energy Commission  
Gas Malaysia Berhad  
Malaysian Oil & Gas Engineering Council  
Ministry of Domestic Trade, Co-operatives and Consumerism  
Petroleum Nasional Berhad (Group Technical Solutions)  
Petroleum Nasional Berhad (Malaysia Petroleum Management)  
PETRONAS Carigali Sdn Bhd  
PETRONAS Dagangan Berhad  
PETRONAS Gas Berhad  
Petrotechnical Inspection (M) Sdn Bhd  
Repsol Oil & Gas Malaysia Limited  
Royal Malaysian Customs Department  
SIRIM Berhad (National Metrology Institute Malaysia)  
SIRIM Berhad (Secretariat)  
Sense Services Sdn Bhd  
Universiti Teknologi Malaysia

### **Co-opted members:**

Sarawak Shell Berhad

**Committee representation** *(continued)*

The Working Group on Coriolis Mass Meter which developed this Malaysian Standard consists of representatives from the following organisations:

Emerson Process Management (Malaysia) Sdn Bhd  
Endress+Hauser (M) Sdn Bhd  
Gas Malaysia Berhad  
Krohne (M) Sdn Bhd  
Petroleum Nasional Berhad (Group Technical Solutions)  
Petroleum Nasional Berhad (Malaysia Petroleum Management)  
PETRONAS Dagangan Berhad  
PETRONAS Gas Berhad  
Petrotechnical Inspection (M) Sdn Bhd  
Repsol Oil & Gas Malaysia Limited  
Sense Services Sdn Bhd  
SIRIM Berhad (National Metrology Institute Malaysia)  
SIRIM Berhad (Secretariat)

## MS 2292:2018

### Foreword

This Malaysian Standard was developed by the Working Group on Coriolis Mass Meter under the authority of the Industry Standards Committee on Petroleum and Gas.

This Malaysian Standard cancels and replaces MS 2292:2010, *Measurement of fluid flow in closed conduits - Coriolis meters*.

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