



MALAYSIAN STANDARD

MS IEC 62058-31:2012

**Electricity metering equipment (a.c.) -
Acceptance inspection - Part 31: Particular
requirements for static meters for active
energy (classes 0.2 S, 0.5 S, 1 and 2)
(IEC 62058-31:2008, IDT)**

ICS: 17.220; 91.140.50

Descriptors: electricity metering equipment, acceptance inspection, static meters

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Committee representation

The Industry Standards Committee on Generation, Transmission and Distribution of Energy (ISC E) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Kerja Raya Malaysia
Malaysian Association of Standards Users
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Malaysian Green Technology Corporation
Ministry of Domestic Trade, Co-operatives and Consumerism
Ministry of International Trade and Industry
Persatuan Kontraktor Elektrikal dan Mekanikal Melayu Malaysia
Persatuan Penjana Kuasa Bebas
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Komunikasi dan Multimedia Malaysia
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Low Voltage Transformer and Storage of Electrical Energy which supervised the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

Jabatan Kerja Raya Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Tenaga
Tenaga Nasional Berhad (Distribution Division)
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
TNB Repair and Maintenance Sdn Bhd
Universiti Malaya
Universiti Teknologi Malaysia

The Working Group on Electrical Energy Measurement which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

EDMI Meters Sdn Bhd
Iskraemeco (M) Sdn Bhd
Krizik (Malaysia) Sdn Bhd
Malaysian Intelligence Meters Sdn Bhd
Metertek Sdn Bhd
Sabah Electricity Sdn Bhd
SIRIM Berhad (National Metrology Laboratory)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Smart Meters Technologies (M) Sdn Bhd
Suruhanjaya Tenaga
Syarikat SESCO Berhad
TNB Metering Services Sdn Bhd
Universiti Teknologi Malaysia

NATIONAL FOREWORD

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on Electrical Energy Measurement under the authority of the Industry Standards Committee on Generation, Transmission and Distribution of Energy.

This Malaysian Standard is identical with IEC 62058-31:2008, *Electricity metering equipment (AC) - Acceptance inspection - Part 31: Particular requirements for static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2)*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced International Standards

IEC 62053-21:2003, *Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)*

IEC 62053-22:2003, *Electricity metering equipment (a.c.) - Particular requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)*

IEC 62058-11, *Electricity metering equipment (a.c.) - Acceptance inspection Part 11: General acceptance inspection methods*

Corresponding Malaysian Standards

MS IEC 62053-21:2003, *Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)*

MS IEC 62053-22:2003, *Electricity metering equipment (a.c.) - Particular requirements - Part 22: Static meters for active energy (classes 0.2 S and 0.5 S)*

MS IEC 62058-11, *Electricity metering equipment (a.c.) - Acceptance inspection Part 11: General acceptance inspection methods*

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NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING EQUIPMENT (AC) –
ACCEPTANCE INSPECTION –**
**Part 31: Particular requirements for static meters
for active energy (classes 0,2 S, 0,5 S, 1 and 2)**

FOREWORD

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International Standard IEC 62058-31 has been prepared by IEC technical committee 13: Electrical energy measurement, tariff- and load control.

The text of this standard is based on the following documents:

FDIS	Report on voting
13/1432/FDIS	13/1440/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

A list of all parts of IEC 62058 series, published under the general title *Electricity metering equipment (AC) – Acceptance inspection*, can be found on the IEC website.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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