

ICS 17.200.10

English Version

Heat meters - Checklist documenting the relationship between the Directive 2004/22/EC (MID) and EN 1434:2007

Compteurs d'énergie thermique - Liste des points de
vérification des liens entre la directive 2004/22/EC (MID) et
EN 1434:2007

Wärmezähler - Prüfliste, die den Zusammenhang zwischen
der Europäischen Messgeräte-Richtlinie 2004/22/EG und
EN 1434:2007 darstellt

This Technical Report was approved by CEN on 31 May 2008. It has been drawn up by the Technical Committee CEN/TC 176.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Foreword.....		3
1	Scope	4
2	General explanations	4
3	Text of Annex ZA in EN 1434:2007	5
4	Table showing the correspondence between EN 1434 and MID.....	5
5	Table showing the correspondence between MID and EN 1434:2007	13

Foreword

This document (CEN/TR 15760:2010) has been prepared by Technical Committee CEN/TC 176 "Heat meters", the secretariat of which is held by SIS.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

The 2007 edition of EN 1434 was written to be harmonized to MID. After the CEN consultant has given a positive assessment for this standard it is referred in the EU Official Journal (published 2007-07-14) as a standard harmonized to MID. The following checklist shows the most important explanations to this harmonisation work under the scope how the requirements coming from MID are complied by EN 1434:2007.

This document is a preview generated by EVS

1 Scope

This Technical Report constitutes a checklist to show the appropriate coverage of the relevant Essential Requirements for Heat Meters in the Measuring Instrument Directive 2004/22/EC with the technical solutions in EN 1434:2007.

The checklist indicates that in EN 1434 you have standardized solutions that:

- are one way of showing conformity to the MID;
- make it possible to combine sub-assemblies of different brands;
- make it possible to replace an installed sub-assembly with a sub-assembly of another brand.

2 General explanations

MID and EN 1434 have not only metrological requirements, but also other requirements that help the user to obtain a correct measuring result without unreasonable demands. In the MID this is expressed as essential requirements.

Following EN 1434 means that the signal interfaces and the relevant part of the dimensions between sub-assemblies are standardized to ensure that you can use a mixture of sub-assemblies from different manufacturers. It also means that you in an installation can replace a unit with a new unit from another manufacturer that follows EN 1434. In this sense this EN standard gives defaults about the conditions and technical contents for the compatibility between sub-assemblies from different manufacturers. This checklist shows with the tables under Clauses 4 and 5 how the compliance with the requirements according to Article 4(b) in MID are provided by following the EN standard.

If the meter does not follow that standardization in EN 1434, the EC type examination certificate must have another information about how the sub-assemblies are compatible and replaceable with other sub-assemblies.

This checklist is helpful for conformity assessments to ensure that the essential and specific requirements of the MID are fulfilled by the meter or its sub-assemblies, i.e.:

MID Annex I, 7.2

A measuring instrument shall be suitable for its intended use taking account of the practical working conditions and shall not require unreasonable demands of the user in order to obtain a correct measurement result.

MID Annex I, 7.5

A measuring instrument shall be robust and its materials of construction shall be suitable for the conditions in which it is intended to be used.

MID Annex B Clause 3

... This supporting evidence shall mention any relevant documents that have been applied, in particular where the relevant documents referred to in Article 13 have not been applied in full, ...

MID Annex B, 4.3

The notified body shall for the specimens carry out the appropriate examinations and tests, or have them carried out, to check whether, where the manufacturer has chosen not to apply the solutions in the relevant documents referred to in Article 13, the solutions adopted by the manufacturer meet the corresponding essential requirements of this Directive.