

DIN EN 1434-5:2019-08 (E)

Thermal energy meters - Part 5: Initial verification tests (includes Amendment A1:2019)

Contents		Page
European foreword		3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	General	5
5	Uncertainty of test equipment	6
6	Tests to be carried out	6
6.1	General	6
6.2	Flow sensors	6
6.3	Temperature sensor pair	7
6.3.1	Error in temperature difference	7
6.3.2	Insulation resistance	8
6.3.3	Single temperature sensor for smart metering applications	8
6.4	Calculator	8
6.5	Calculator and temperature sensor pair	9
6.5.1	Heating and cooling applications	9
6.5.2	Calculator with single temperature sensor for smart metering applications	9
6.6	Combined "thermal energy meter"	9
6.7	Complete meter	9
7	Documentation to be supplied	10
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2014/32/EU aimed to be covered		11