



CERTIFIKAT

No. 0402-MID-15 42 16

CERTIFICATE OF EC TYPE EXAMINATION

Temperature sensor pairs SVM / Kamstrup / Kamstrup SVM
types TSF085C, TSF085H, TSF120C, TSF120H

Issued to

Kamstrup A/S, Industrivej 28, DK-8660 Skanderborg, Denmark.

In respect of (type of instrument)

Temperature sensor pair for heat meters.

In accordance with

STAFS 2006:4 The Measuring Instruments Regulations and
STAFS 2006:8 The Regulations and Guidelines concerning Heat Meters
implementing in the NB's country law the Directive 2004/22/EC of 31 March 2004 on measuring instruments..

Applicable essential requirements

- Annex I Essential requirements
- Annex MI-004 Heat meters

Harmonised standards and normative documents used

- OIML R 75-1 Edition 2002 (E) Heat meters, general requirements
- OIML R 75-2 Edition 2002 (E) Heat meters, type approval tests
- OIML D 11 Edition 2004 (E) General requirements for electronic measuring instruments

Further applied documents

- European Standard for heat meters, EN 1434:1997, part 1, 2 and 4.

Rated operating conditions

Measurand:	Thermal energy	Mechanic environment class:	M1
Climatic environment class:	-40 °C to +70 °C	Electromagnetic environment class:	E2
Temperature range:	0 °C to +180 °C 0 °C to +90 °C +20 °C to +140 °C	Temperature difference range:	3 K to 100 K 3 K to 90 K 3 K to 100 K

Validity and miscellaneous

Until 15th December, 2017. This certificate is the 2nd edition and replaces the 1st edition dated December 15, 2007.

The principal characteristics, approval conditions are set out in the appendix hereto, which forms part of the approval documents and consists of 3 pages. All the plans, schematic diagrams and documentations are recorded under reference files MTvP703485 and PX10770. The evaluation report MTvP703485 has been issued in accordance with Directive 2004/22/EC Annex B paragraph 5.1 and 5.3.

Borås 17th February 2011

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Certification**

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