



Danfoss A/S

DK-6430 Nordborg
Denmark
CVR nr.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949

E-mail: danfoss@danfoss.com
Homepage: www.danfoss.com

EU-DECLARATION OF CONFORMITY



**Danfoss A/S
Refrigeration & Air Conditioning Division
DK-6430 Nordborg, Denmark**

- declare under our sole responsibility that the product

**System Manager
AK-SM 720**

- to which this declaration relates is in conformity with the following directive(s), standard(s) or other normative document(s), provided that it is used according to our instructions:

EU Directive 93/43/EEC
By fulfilling the requirements in the following standards:
EN 12830, 1999-07
EN 13486, 2001-11

Date	Issued by	Date	Approved by
2008-12-02	 Torben B Havn Elec.Engineer	2008-12-02	 Jane Landergren Quality Director



DS/EN 12830 compliance scheme

Thermometer AK-SM720	
Suitable for storage	Yes
Suitable for transport	No
I – General requirements	
Measuring range	1) -50°C - +50°C using Pt1000 sensors (DIN IEC 751 class B). 2) Using Electronic Network Controllers please see data for applied controller
Chart (disk, type)	Not Applicable
Autonomous power supply	No
Degree of protection provided by enclosure	IP 10
Supply voltage	24 Vac +/-20%
Frequency	50/60Hz or DC
Power cut-offs	Log data are kept in none volatile memory and will not be lost at power cut-offs.
II – Requirements for metrological characteristics	
Maximum permissible error and resolution and temperature measurement error	Class 1, using Pt 1000 sensor (DIN IEC 751 class B). Class 1, using Electronic Network Controllers that comply with EN 13485, 2001-12-21
Recording interval	Food safety logs 15 minutes up to 24 hours
Recording duration	Depends on interval and no. of log points Max points: 200 logs, each log can contain 10 parameters = 2000 points. Further detail see product manual.
Maximum relative timing error and time recording error	Max. 20 min. per. Year
Response time	Less than 20 minutes
Climatic environment and influence of ambient temperature	Type A
Mechanical vibrations	Not applicable
Shock resistance	Not applicable
Climatic environment and temperature testing under storage and transport conditions for the recorder	-20 - +55°C during operation -20°C - +70°C during transport 20 – 80% RH, not condensed
Electrical power disturbances and susceptibility to radiated electromagnetic field and dielectric strength	LVD tested according to EN 60730-1 and EN 60730-2-9 EMC tested according to EN 61000-6-3 and EN 61000-6-2

