



Danfoss A/S
Head Office
DK-6430 Nordborg, Denmark
Telephone: +45 7488 2222
FoodRetail

Your ref.

Identification number
080R1215

Date
2013.06.28

EC-DECLARATION OF CONFORMITY

Danfoss A/S

- declare under our sole responsibility that the products

**System Manager
AK-SM 8xx series**

- 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:

Regulation 2005/37/EC
By fulfilling the requirements in the following standards:
EN 12830, 07-1999
EN 13485, 11-2001

Approved by:

Date: 2013.05.28

Name: Peter Eriksen, Director R&D

DS/EN 12830 compliance scheme

Thermometer AK-SM 8xx series	
Suitable for storage	Yes
Suitable for transport	No
I – General requirements	
Measuring range	1) Using Electronic Network Controllers please see data for applied controllers like EKC-, AK- or XM-modules
Chart (disk, type)	Not Applicable
Autonomous power supply	No
Degree of protection provided by enclosure	IP 20 – EN 60529
Supply voltage	100 / 240V +10%/-15%
Frequency	50/60Hz
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	History Logs collected at 5, 30 Second, 1, 2, 10, 30 Minutes, 1 Hour
Recording duration	Max 600 History points Depends on interval and no. of log points
Maximum relative timing error and time recording error	Max. 10 min. per. Year
Response time	Less than 20 minutes
Climatic environment and influence of ambient temperature	Class A
Mechanical vibrations	Not applicable
Shock resistance	Not applicable
Climatic environment and temperature testing under storage and transport conditions for the recorder	-20°C to 55°C during operation -40°C to 70°C during transport 20 – 90% 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

