



Danfoss A/S

Head Office:

DK 6430 Nordborg, Denmark

Telephone +45 74882222

FoodRetail

Your ref.

Identification number

Date

080R1202 / RR8CU402

2014.01.28

EC-DECLARATION OF CONFORMITY

Danfoss A/S

declares under our sole responsibility that the product(s)

AK-SM 350 series

covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

Regulation 2005/37/EC

By fulfilling the requirements in the following standard:

EN 12830, July 1999

EN 13485, Nov 2001

Approved by:

Date: 2014.01.28

Name: Peter Eriksen, Director R&D

DS/EN 12830 & 13485 compliance scheme

Thermometer AK-SM350	
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 according to EN 60529
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, EN 60730-2-1 and EN 60730-2-9 EMC tested according to EN 61000-6-2 and EN 61000-6-3

