



**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres
– Directive 94/9/EC

(3) EC Type Examination Certificate Number

EPS 13 ATEX 1 510

(4) Component: Thermostat Type: DigiTrace T-M-xx-S-+x+y/EX

(5) Manufacturer: Pentair Thermal Management Belgium N.V.

(6) Address: Romeinse straat 14
3001 Leuven
Belgium

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies, based on a voluntary testing, that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive.

The examination and test results are recorded in the confidential report 13TH0053.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2009

EN 60079-1:2007

EN 60079-7:2007

EN 60079-31:2009

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the component shall include the following:



II 2G Ex d e IIC T4/T5/T6 Gb

II 2D Ex tb IIIC T85°C/T100°C/T130°C Db

Certification department of explosion protection

Türkheim, February 08, 2013

D. Zitzmann



(13)

Annexe

(14) **EC Type Examination Certificate EPS 13 ATEX 1 510**

(15) Description of component:

The Thermostat DigiTrace T-M-xx-S-+x+y/EX is used to control and regulate thermal processes in hazardous Gas and Dust location. The enclosure provides type of protection Ex-e and Ex-t with minimum IP64 ingress protection. Depending on model the maximum ambient temperature range is from -60°C to +80°C. The temperature class depending on switch current and ambient temperature is given in following table:

Max. ambient Temperature	Max. Switching Current	Temperature class	Max. Surface Temperature
50°C	25A	T5	T100°C
80°C	16A	T5	T100°C
50°C	16A	T6	T85°C
40°C	25A	T6	T85°C
80°C	25A	T4	T130°C

(16) Test report: 13TH0053

(17) Special conditions for safe use:

none.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, February 08, 2013



D. Zitzmann