

CERTIFICATE

EC-Type Examination

(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **DEKRA 13ATEX0178** Issue Number: 1

(4) Equipment: **Temperature Sensors Type S3 and Type S4**

(5) Manufacturer: **Regulateurs Georin**

(6) Address: **14-16 Rue Pierre Seward, 92320 Châtillon**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies 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 to the directive.

The examination and test results are recorded in confidential test report number 216515900.

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

EN 60079-0 : 2006

EN 60079-1 : 2004

EN 60079-7 : 2007

(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-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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



II 2 G Ex e II T6 (Type S3)

II 2 G Ex d IIC T6 (Type S4)

This certificate is issued on 28 March 2014 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

A handwritten signature in blue ink, appearing to read 'M. Erdhuizen'.

M. Erdhuizen
Certification Manager

Page 1/2



© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 13ATEX0178**

Issue No. 1

(15) **Description**

Thermal Sensors Type S3 and Type S4 consist of a metallic enclosure which ensures mechanical protection of the PT100, PT1000 or Thermocouple sensor.

Sensor Type S3 is in type of protection increased safety "e" and sensor Type S4 is in type of protection flameproof enclosures "d".

Ambient temperature range -20 °C to +70 °C.
Maximum process temperature 150 °C.

Electrical data

Maximum rated voltage: 35 V
Maximum rated current: 20 mA

Installation instructions

The manual provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 216515900

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 216515900.