

EU/EC DECLARATION OF CONFORMITY

issued according to the law no. 22/1997 Col., as amended

SENSIT s.r.o
Školní 2610
756 61 Rožnov pod Radhoštěm
IČ 64087484

hereby declares

that the characteristics of the below-listed products meet the requirements of the basic safety principles and the requirements of the technical documentation and that they are safe for the determined purpose of use under the condition of proper installation, operation and maintenance. All products introduced to the market were subject to measures taken to guarantee their conformity with the technical documentation and with the basic requirements of the technical standards listed below.

Name of the product: Fast response temperature sensors for environment endangered by explosion

Type: Serie S160K – design with the connector for the room endangered by explosion
Serial no.:

Description and usage:

The resistance-type sensors are intended for temperature measurements of gaseous and liquid substances. Their structure enables fast response to change of temperature (in contrast to sensors with protection thermowell). The sensors work on the principle defined relation between change of the sensing element resistance and change of temperature. They are not able to create sparks, electric arcs or high surface temperatures. The sensors marked on the type label by the II 3G Ex nA II T6 code can be used in explosion endangered rooms – the group of devices II, zone 2. By the design of the sensors the requirements of the ČSN EN 60 079-15:2006 norm were met. Temperature range of the sensors in an environment endangered by explosion is –20 to 80 °C and must not be exceeded even for a short time. The sensors meet the IP 65 ingress protection requirements according to ČSN EN 60529 norm. They are equipped with various measuring elements for temperature measurements as e.g. Pt 100, Ni 1000, KTY, NTC 20kΩ etc. The sensors are designed to be operated in chemically non-aggressive environment.

The product that is subject to this declaration is in accordance with the following norms and standards:

European Parliament and Council Directive 1994/9/EEC from 23. 3. 1994 relating to devices and protection systems intended for using in environments endangered by explosion that was implemented to legal system of the Czech Republic by the government regulation no. 23/2003 Col. as amended.


ČSN EN 60 079-0:2007, ČSN EN 60 079-15:2006, ČSN EN 60 529, ČSN 33 2000-4-41

The declaration is issued on the base of the following certificates:

ČSN EN 60 079-15:2006 Certificate no. FTZÚ 02 ATEX 0251 X, from 28.11.2007,
ČSN EN 60 079-0:2007 issued by the Institute FTZÚ, Ostrava Radvanice

ČSN EN 60 529 Certificate no. 97 E 0175, from 28.11.1997,
issued by the Institute FTZÚ, Ostrava Radvanice

Rožnov pod Radhoštěm, date: 10.12.2007


RNDr. Jan Janíček
executive director of the company

The company is registered in the commercial register at a Commercial Court in Ostrava in the rubric C, enclosure 13728.

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