

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
IC 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: Temperature sensors with RS 485 communication
Product line: SD 173 Pt100, tř. A, RS 485-HWG, TG8-40
SD 173 Pt100, tř. A, RS 485-HWG, TG8-40, 2grommets

Description and use:

The sensors SD 173 are intelligent microprocessor-controlled temperature sensors. The temperature range of the sensor with the cable is -50 to 200 °C, the temperature range around the plastic head with the converter is only -30 to 70 °C. The sensors communicate by means of RS 485 bus and only the bus can control the sensors. The command structure corresponds with the ModBus communication protocol of company HW GROUP. The sensor with the cable meet the ingress protection IP67 according to the EN 60 529 standard. The plastic head with the converter meet the ingress protection IP65 according to the EN 60 529 standard. The temperature sensors are designed for universal application. The sensors in combination with JTG8 thermowell can be used for measuring temperatures in piping and simultaneously as pressure equipment in terms of the Pressure Equipment Directive 97/23/ES.

The sensors are suitable for temperature measurement in chemically non-aggressive environments and the using must be chosen with regard to temperature and chemical resistant of the sensor head and housing.

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

- European Parliament and Council Directive 2004/108/EC of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility was implemented to legal system of the Czech Republic by the government regulation no. 616/2006 Col. as amended
- European Parliament and Council Directive 2011/65/EU of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment that was implemented to legal system of the Czech Republic by the government regulation no. 481/2012 Col. as amended
- EN 61000-6-2 ed.3:2005, EN 55022 ed.3:2010, EN 61010-1 a EN 60 529
- EN 60730-1, EN 60730-2-9, EN 60770-3, EN 60751 a EN 60 529
- EN 60950-1 ed.2:2006 + A11:2009 + A12:2011 + A1:2010 + A2:2014

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

- Directive 2004/108/EC Compliance with requirements European Parliament and Council Directive 2004/108/EC for electronic module MIDAM 120 is declared by EU/EC Declaration of conformity issued by the company MIKROKLIMA s.r.o., date 12.8.2014
- EN 60 529 Certificate No. FTZÚ 08 E 0033 of 16 December 2008 issued from the Institute FTZÚ, Ostrava Radvanice

Rožnov pod Radhoštěm, date: 1.9.2014



Ing. Petr Brzezina
executive director of the company