



AC 038



KDB 14TEX



Główny Instytut Górnictwa
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This certificate and its
schedules may only be
reproduced in its entirety and
without change

Product certification program
no: PCW-ISO/IEC-1b
CODE ICS 13.230

[1] EC-TYPE EXAMINATION CERTIFICATE



[2] Equipment, protective systems and components intended for use in
potentially explosive atmospheres - Directive 94/9/EC

[3] EC – type examination certificate:

KDB 14ATEX0098X

[4] Equipment:

Thermistor tester type TermTest V1

[5] Manufacturer:

OPTOLEVEL OY

[6] Address:

Puomikatu 3, 37150 Nokia, Finland

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

[8] Główny Instytut Górnictwa, Notified Body number 1453 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment and protective system 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 report KDB No. 14.104 [T-7194]

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013; EN 60079-11:2012

[10] If the sign „X“ is placed after the certificate number, it indicates that the equipment or protective system 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 and construction of the specified equipment and protective system in accordance with Directive 94/9/EC. Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment shall include the following:

II (1)G [Ex ia Ga] IIC

Specjalista ds. Certyfikacji
Urządzeń Przeciwybuchowych

dr inż. Michał Górny



KIEROWNIK
Zespołu Certyfikacji Wyrobów
KD „BARBARA” Mikołów
dr hab. inż. Krzysztof Cybulski, prof. GIG

Date of issue: 19.09.2014

Page 1 of 2

13

SCHEDULE

14

EC-Type Examination Certificate KDB 14ATEX0098X

[15] **Description:**

Thermistor tester is a test plug which is connected to computer USB port (USB 1.1 and 2.0) for testing overflow prevention thermistor sensors. Thermistor Diagnostics testing program is the user interface for the test plug. The PCB of the Thermic tester is encapsulated installed inside enclosure (Degree of protection IP20).

Technical parameters:

Rated voltage	19 V
Current measurement	0 ÷ 100 mA
Ambient temperature	-40 °C ÷ +50 °C
Degree of protection	IP20

Intrinsic safety parameters:

Um= 25 V
Uo= 22,1 V
Io= 158 mA
Po= 1 W
Co= 110 nF
Lo= 0,03 mH

[16] **Test report:**

Sprawozdanie KDB Nr 14.104

[17] **Special conditions for safe use:**

- Device is intended for use with laptop computers. The usage is only allowed when the laptop is running on battery power.

[18] **Essential health and safety requirements:**

Met by compliance with standards listed below:

EN 60079-0:2012 + A11:2013 (PN-EN 60079-0:2013-03 + A11:2014-03);

EN 60079-11:2012 (PN-EN 60079-11:2012);

