Physical Technical Testing Institute
Ostrava – Radvanice

(1) # Supplement No. 1 to EC-Type Examination Certificate

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

(3) EC-Type Examination Certificate Number:

FTZÚ 13 ATEX 0100X

(4) Equipment or protective system: **Telemetry device OKO 5xy3-wzu4 / AMPLI 5513-w004**

(5) Manufacturer: **AIUT, Sp. z o.o.**

(6) Address: **ul. Wyczółkowskiego 113, 44-109 Gliwice, Poland**

(7) This supplement of certificate is valid for:
- modification of certified apparatus
- new model – extension of series **ALEVEL 03y3-wzu4**
- new model – extension of series **OKO 5xy3-uwz4**

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are placed on market or introduced in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2009, EN 60079-11:2012, EN 60079-26:2007

(11) Marking of equipment shall contain symbols:

II 1G Ex ia IIB T3 Ga

(12) This type examination certificate is valid till: **29.10.2018**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

PHYSICAL-TECHNICAL TESTING INSTITUTE FTZÚ AO 210 NB 1026

Date of issue: 28.11.2014

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(13) **Schedule**

(14) # Supplement No. 1 to EC-Type Examination Certificate N° FTZÚ 13 ATEX 0100X

(15) Description of Equipment or Protective System:

There are some changes in current models:
- Added new battery block with increased capacity and identical output parameters,
- Added option of external antenna connector,
- Added new variants with new PCB of outputs,
- Changed intrinsically safe parameters of digital inputs:
  Uo=6V; Io=200µA; Po=225µW; Co=100µF; Lo=1mH

New models ALEVEL 03y3-wzu4 is based on model OKO 5xy3-wzu4. It does not contain GSM modem and is equipped with minimal one communication interface and radio interface.

Intrinsically safe parameters:

Interface TTL (only ALEVEL):

input Power:	Uo=3,9V; Io=122mA; Po=110mW; Co=100µF; Lo=1mH
input RxD, TxD:	Uo=3,9V; Io=18mA; Po=16mW; Co=100µF; Lo=50mH Ui=3,6V; C=23µF; Li=45µH

Interface I2C:

input POWER (version OKO):	Uo=5,4V; Io=122mA; Po=110mW; Co=100µF; Lo=1mH
input POWER (version ALEVEL):	Uo=3,9V; Io=122mA; Po=110mW; Co=100µF; Lo=1mH
input SCL, SDA (version OKO):	Uo=5,4V; Io=14mA; Po=18mW; Co=100µF; Lo=100mH Ui=3,6V; C=8µF; Li=55µH
input SCL, SDA (version ALEVEL):	Uo=3,6V; Io=9mA; Po=8mW; Co=100µF; Lo=100mH Ui=3,6V; C=0,33µF; Li=45µH

Interface OC (only OKO) : Ui=30V; Ii=100mA; Pi=3W; Ci≈0; Li≈0

(16) Report No.: 13/0100/1

(17) Special conditions for safe use: without changes

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standards mentioned in clause (10) of this supplement according which the new model was verified and in the manufacturer's Instruction for Using.

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(13) **Schedule**

(14) # Supplement No. 1 to EC-Type Examination Certificate N° FTZÚ 13 ATEX 0100X

(19) List of Documentation:

Document / Drawing:	*Revision:*	*Date:*	*Nr. of Pages:*
OKO 55x3-wzu4 Documentation Ex (Update I)	1.0	07.2014	65
User manual OKO 55x3	1.3	26.08.2014	18
PCB TOKO 55x3-xxx1	1.0	07.2014	30
PCB OKO 55x3-xxx4	2.0	03.06.2013	38
PCB ABAT L145-6155-0002	1.0	25.08.2014	10
PCB ABAT L145-C155-0002	1.1	28.11.2014	18

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