(1) Supplementary EU - Type Examination Certificate No. 4

(2) Equipment or Protective Systems Intended for Use in Potentially Explosive Atmospheres (Directive 2014/34/EU)

(3) EU - Type Examination Certificate number:

FTZÚ 14 ATEX 0131X

(4) Product: Sensor ALTOSONIC 5, UFS 5-R-....-Ex

(5) Manufacturer: KROHNE Altometer

(6) Address: Kerkeplaat 12; 3313 LC Dordrecht, The Netherlands

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 14 ATEX 0131X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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

EN 60079-0:2018, EN 60079-11:2012

(11) The marking of the product shall include the following:

Ex II 2G Ex ia IIC T6..T2 Gb

(12) This certificate is valid till: 31.07.2024

Responsible person: Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: 29.07.2019
Page: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.
Physical-Technical Testing Institute
Ostrava - Radvanice

Schedule

Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 14 ATEX 0131X

Description of the variation to the Product:

The subject of this supplementary certificate is:
- Modification of certified apparatus;
- Evaluation according to the newest standards;
- Prolongation of certificate validity.

This supplementary certificate describes the change of number of used transducers and introduced new type of transducer. The number of transducers paths is increased to 16 paths. There is used new type of transducer which differs from older only in working frequency.

The lower ambient temperature was unified to Ta = -55°C.

Intrinsically safe parameters:

Transducer parameters: \( U_i = 18 \, V, \, I_i = 210 \, mA, \, P_i = 1 \, W, \, L_i = 700 \, \mu H, \, C_i = 100 \, nF \); 
Temperature sensor parameters: \( U_i = 10 \, V, \, I_i = 25 \, mA, \, P_i = 250\, mW, \, L_i = 10 \, \mu H, \, C_i = 1 \, nF \); 

Degree of protection by enclosure: IP66 
Ambient temperature: \(-55^\circ C \leq T_a \leq +65^\circ C\)

The mechanical construction, electrical scheme and other technical parameters remain unchanged.

Report Number: 14/0131/4

Specific Conditions of Use:

None additional to those listed previously.

Date of issue: 29.07.2019

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.
Supplementary EU - Type Examination Certificate No. 4 to FTZÚ 14 ATEX 0131X

Essential Health and Safety Requirements:
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

List of Documentation:

<table>
<thead>
<tr>
<th>Document / Drawing:</th>
<th>Revision:</th>
<th>Date:</th>
<th>Nr. of Pages:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEX and IECEx approvals</td>
<td>Issue 4</td>
<td>23.05.2019</td>
<td>9</td>
</tr>
<tr>
<td>8.30785.05</td>
<td>--</td>
<td>08.05.2019</td>
<td>1</td>
</tr>
<tr>
<td>8.30785.11 C</td>
<td>--</td>
<td>23.05.2019</td>
<td>1</td>
</tr>
<tr>
<td>8.30785.12 C</td>
<td>--</td>
<td>23.05.2019</td>
<td>1</td>
</tr>
</tbody>
</table>

Date of issue: 29.07.2019
Page: 3/3