WELMEC 7.2 REPORT of SensLIVE version 5.0.0 and higher

Performed by: Updoer Technology Private limited

(Procedure)

Validation was performed in accordance with the WELMEC 7.2 Software Guide - Issue 5, in order to comply with NP EN 12830. (The validation was carried out).

- Basic Requirements for Software of Measuring Instruments using a Universal Computer (Type U): U1, U2, U3, U4, U5, U6, U7 e U8
- Extension L: Long---term Storage of Measurement Data --- L1, L2, L3, L4, L5, L6, L7 e L8
- Extension T: Transmission of Measurement Data via Communication Networks– T1, T2, T3, T4, T5, T6 e T7

ISSUING DATE : 12-10-2017

Authorized Signatory

Adeeb Khan
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A risk class D was applied.

The software **SensLIVE verison 5.0.0 and higher** FULFILLS with the essential requirements of the standard

Checklists to support the selection of the appropriate requirement Sets

Decision on Instrument Type		True	False
1	Is the entire application software constructed for the measuring purpose?	Y	
2	If there is no general-purpose software, is it accessible by or visible to the User?		N
3	Is the user prevented from accessing the operating system if it is possible To switch to an operating mode not subject to legal control?	Y	
4	Are the implemented programs and the software environment invariable (Apart from updates)?		N
5	Are there any means for programming?		N

In accordance to the above check list, the requirements of the part U apply to the **SensLIVE v 5.0.0 and higher**.

Decision on Required Extensions		Yes	No
L	Does the device have the ability to store the measurement data either on An integrated storage or on a removable storage?	Y	
T	Does the device have interfaces for transmission of data to devices subject to legal control OR is the device receiving data from another device subject To legal control?	Y	
S	Are there software parts with functions not subject to legal control AND are These software parts desired to be changed after type approval?		N
D	Is loading of software possible or desired?		N

In accordance to the above check list, the **SensLIVE v 5.0.0** Software requires extension L and T.

Checklists for basic requirements for type U instrument

Requirement		Passed	Failed	Notapplicable	
U1	Does the required manufacturer's documentation Fulfill the requirement U1 (a---g)?	Y			In 1.4. of SensLIVE_v5
U2	Is a software identification realized as required in U2?	Y			In 1.4. of SensLIVE_v5
U3	Are commands entered via the user interface prevented from inadmissibly influencing the legally Relevant software and measurement data?	Y			In 1.4. of SensLIVE_v5
U4	Is it prevented that commands inputted via non---sealed communication interfaces of the instrument inadmissibly influence the legally relevant software And measurement data?	Y			In 1.4. of SensLIVE_v5
U5	Are legally relevant software and measurement data protected against accidental or unintentional Changes?	Y			In 1.4. of SensLIVE_v5
U6	Are legally relevant software secured against Inadmissible modification?	Y			In 1.4. of SensLIVE_v5
U7	Are legally relevant parameters secured against Unauthorized modification?	Y			In 1.4. of SensLIVE_v5
U8	Are means employed to ensure the authenticity of the legally relevant software and are the authenticity of the results that are presented Guaranteed?	Y			In 1.4. of SensLIVE_v5
U9	Is the legally relevant software designed in such a way that other software does not inadmissibly Influence it?			N	In 1.4. of SensLIVE_v5

Checklists for specific requirements for extension L

Requirement		Passed	Failed	Notapplicable	
L1	Do the stored measurement data contain all relevant information necessary to reconstruct an Earlier measurement?	Y			In 2.1. of SensLIVE_v5
L2	Are stored data protected against accidental and Unintentional changes?	Y			In 2.1. of SensLIVE_v5
L3	Are the stored measurement data protected against intentional changes carried out by simple common software tools (for risk classes B&C) or by special sophisticated software tools (for risk classes D&E)?	y			In 2.1. of SensLIVE_v5
L4	Are the stored measurement data capable of being authentically traced back to the measurement that Generated them?	Y			In 2.1. of SensLIVE_v5
L5	(for risk classes B&C) Are keys treated as legally relevant data and kept secret and protected Against compromise by simple software tools? (for risk classes D&E) Are keys and accompanying data treated as legally relevant data and kept secret and protected against compromise by Sophisticated software tools? Are appropriate Methods equivalent to electronic payment used? Is user able to verify the authenticity of the public Key?	Y			In 2.1. of SensLIVE_v5
L6	Does the software used for verifying stored measurement data sets display or print the data, check the data for changes, and warn if a change Has occurred? Are there means to prevent data Detected as having been corrupted to be used?	Y			In 2.1. of SensLIVE_v5
L7	Are the measurement data stored automatically When the measurement is concluded?	Y			In 2.1. of SensLIVE_v5
L8	Does the long---term storage have a capacity which Is sufficient for the intended purpose?	Y			In 2.1. of SensLIVE_v5

Checklists for specific requirements for extension T

Requirement		Passed	Failed	Notapplicable	
T1	Do transmitted data contain all relevant information necessary to present or further process the measurement result in the receiving Module?	Y			In 3.2. of SensLIVE_v5
T2	Are transmitted data protected against accidental And unintentional changes?	Y			In 3.2. of SensLIVE_v5
T3	Are legally relevant transmitted data protected against intentional changes carried out by simple common software tools (for risk classes B&C) or by special sophisticated software tools (for risk classes D&E)?	Y			In 3.2. of SensLIVE_v5
T4	Is it possible for the program that receives transmitted relevant data to verify their authenticity and to assign the measurement values To a particular measurement?	Y			In 3.2. of SensLIVE_v5
T5	(for risk classes B&C) Are keys treated as legally relevant data and kept secret and protected Against compromise by simple software tools? (for risk classes D&E) Are keys and accompanying data treated as legally relevant data and kept secret and protected against compromise by Sophisticated software tools? Are Appropriate Methods equivalent to electronic payment used? Is user able to verify the authenticity of the public Key?	Y			In 3.2. of SensLIVE_v5
T6	Are data that have been detected as having been Corrupted, prevented from being used?	Y			In 3.2. of SensLIVE_v5
T7	Is it ensured that the measurement is not Inadmissibly influenced by a transmission delay?	Y			In 3.2. of SensLIVE_v5
T8	Is it ensured that no measurement data get lost if Network services become unavailable?			NA	In 3.2. of SensLIVE_v5

From: Updoer Technology Private Lmited

Signature: