

Change log

Version	Author	Changes	Date
1.0.	Adopted from SENSORIKA s.r.o.	SENSORIKA Revise 25	14.1.2019

Traceability of equipment used for calibration of sensor system *HUMISTAR™*

A) Equipment for dewpoint meter calibration

1. Dewpoint generator DG-2S
2. Dewpoint hygrometer Series 4000. Instrument s/n 121436, sensor s/n 121437
3. Moisture analyzer SYSTEM 1112-0222001 s/n 131018 with measuring probe HTP-7516 s/n 131018

Certificates of calibration and traceability:

- ad 1: Michell Instruments Ltd. Cambridge, England. Certificate of calibration , certificate No. 13292
 ad 2: Michell Instruments Ltd. NAMAS Accredited laboratory No. 0179. Certificate of calibration , certificate number 54239
Laboratory traceable to NATIONAL PHYSICAL LABORATORY, London, England and NATIONAL INSTITUTE FOR STANDARDS TECHNOLOGY, Washington D.C., USA.
 ad 3: Certificate of calibration (Calibration report) No. 135/14, SENSORIKA s.r.o. Praha

B) Equipement for relative humidity calibration:

1. C-1 RH Relative Humidity Generator s/n 2280195
2. RHCL-1 Relative Humidity Generator s/n 0151100
3. Hygrotermometer SCKD 000-0020030 s/n 74471 with measuring probe HTP- 2715230 s/n 74471
4. Saturated salt solutions Reg. No. 01÷ 04/99 :
LiCl (HFP 11), MgCl₂ (HFP 33), NaCl (HFP 75) a K₂SO₄ (HFP 98). HFP =Humidity fixed point
5. Smart hygrometr HG 120-00002 s/n 02113 with measuring probe HTP-2215220 s/n 02113
6. Smart hygrometr HG 120-00002 s/n 22112 with measuring probe HTP-2715230 s/n 22112

Certificates of calibration and traceability:

- ad 1: General Eastern Instruments. Woburn, Main,USA. Certificate of conformance No A40103046G.
 ad 2: General Eastern Instruments. Woburn, Main,USA. Certificate of conformance No A40103046.
Laboratory traceable to NATIONAL INSTITUTE FOR STANDARDS & TECHNOLOGY, Washington D.C., USA.
 ad 3: Certificate of calibration (Calibration report) No. 093/14, SENSORIKA s.r.o. Praha
 ad 5: Certificate of calibration (Calibration report) No. 037/17, SENSORIKA s.r.o. Praha
 ad 6: Certificate of calibration No. 636-KL-V221-02 and Certificate of calibration No. 6036-KL-V0492-17 Czech metrological institute Brno;
 Certificate of calibration No. 038/17, SENSORIKA s.r.o. Praha

C) Equipment for temperature calibration:

1. Laboratory thermometer EXT-809-97
2. Laboratory resistance thermometer Pt 100, HERAEUS type LW 3, s/n 491228
3. Calibration resistors 10 000 Ω Reg. No. 02001 and 13850 Ω Reg. No. 02002 for simulation of Pt 10 000 sensor
4. Calibration resistors 10 000 Ω Reg. No. 02003, 12360 Ω Reg. No. 02004 and 15490 Ω Reg. No. 02005 for simulation of Ni 10 000 sensor
5. Dual etalon of resistors RP-10 k Ω +13,85 k Ω , MEATEST Brno

Certificates of calibration and traceability:

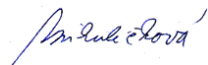
- ad.1: EXATHERM, s.r.o., Železný Brod. ČR. Certificate of calibration No. PT-899-97
Czech metrological institute OI Praha. Verification certificate No. CM 122/1/045/96
Kalibrační laboratoř ČEZ, JE Dukovany. Certificate of calibration No. J 62.01.MST.0239
- ad.2: Kalibrační laboratoř ČEZ, JE Dukovany. Certificate of calibration No. J 62.01.MST.0584
- ad.5: Kalibrační laboratoř MEATEST, Brno. KCertificate of calibration No. 234

D) Interlaboratory comparison tests:

1. Czech metrological institute Brno No. 0318-OV-C21005-06, s/n of comparison MPZ 72-1000-06
2. Slovak metrological institute Bratislava. Certificate of calibration No. 660/260/34/10

Approved:

Prague, 14th January 2019

Approved by:	Lenka Mikuličková	Managing director	
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