



## Calibration Certificate

0025914

|  |   |
|--|---|
| Customer :<br>Cinotech Consultants Limited<br>RM 1710, Technology Park,<br>18 On Lai Street, Shatin, N.T.<br>Hong Kong | Object 1 : SVAN957 SLM<br>Serial No. /Ref. No. : 23851 / N-08-12<br>Object 2 : Microphone<br>Serial No. /Ref. No. : 43676 |
| Customer Code : SVEC09005  | Manufacturer : Svantek  |
| Date of calibration: 22/01/2021<br>Date of the recommended re-calibration: 22/01/2022                                  | Certificate No.: 0025914<br>Handle by: E0002  |

### Measuring results

| Reference value | Indication value | Deviation | Allowed deviation | Object |
|-----------------|------------------|-----------|-------------------|--------|
| 94.0dB          | 93.6dB           | -0.4dB    | +/- 1.5dB         | 1      |
| 114.0dB         | 113.5dB          | -0.5dB    | +/- 1.5dB         | 1      |

### Measuring equipment

| index | Calibrator / Master                 | Traceability |
|-------|-------------------------------------|--------------|
| 1     | Master Sound Meter, SVAN949,sn:8571 | IEC61672     |
| 2     | Sound Calibrator, SV30A sn:32580    | IEC60942     |

### Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

### Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

### Uncertainty

+/- 0.2 dB for probability not less than 95%.

### Conformity

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
- 3.The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.
- 4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.
- 5.The calibrations certificate may not be reproduced.

Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Approved by

Quality Manager



Equipment no.: N-12-01

**Calibration Certificate**

0024993

|   |   |
|---|---|
| <b>Customer :</b><br>Cinotech Consultants Limited<br>RM 1710, Technology Park,<br>18 On Lai Street, Shatin, N.T.<br>Hong Kong | <b>Object 1 :</b> BSWA 308 SLM<br><b>Serial No. /Ref. No. :</b> 570183 / 550233<br><b>Object 2 :</b><br><b>Serial No. /Ref. No. :</b> |
| <b>Customer Code :</b> SVEC09005  | <b>Manufacturer :</b> BSWAtech  |
| <b>Date of calibration:</b> 07/10/2020<br><b>Date of the recommended re-calibration:</b> 07/10/2021                           | <b>Certificate No.:</b> 0024993<br><b>Handle by:</b> E0002  |

**Measuring results**

| Reference value | Indication value | Deviation | Allowed deviation | Object |
|-----------------|------------------|-----------|-------------------|--------|
| 94.0dB          | 93.4dB           | -0.6dB    | +/- 1.5dB         | 1      |
| 114.0dB         | 113.2dB          | -0.8dB    | +/- 1.5dB         | 1      |

**Measuring equipment**

| index | Calibrator / Master                 | Traceability |
|-------|-------------------------------------|--------------|
| 1     | Master Sound Meter, SVAN949,sn:8571 | IEC61672     |
| 2     | Sound Calibrator, SV30A sn:32580    | IEC60942     |

**Ambient conditions**

Temperature (20...26)°C

Humidity (20...60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
- 3.The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.
- 4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.
- 5.The calibrations certificate may not be reproduced.

Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Mr. K.L. Ng

Approved by

Mr. K.S. Ng

Quality Manager



Equipment no.: N-12-02

**Calibration Certificate**

0024995

|  |   |
|--|---|
| <b>Customer :</b><br>Cinotech Consultants Limited<br>RM 1710, Technology Park,<br>18 On Lai Street, Shatin, N.T.<br>Hong Kong<br><br>Customer Code : SVEC09005 | <b>Object 1 :</b> BSWA 308 SLM<br><b>Serial No. /Ref. No. :</b> 570187 / 550841<br><b>Object 2 :</b><br><b>Serial No. /Ref. No. :</b><br><br><b>Manufacturer :</b> BSWAtech |
| <b>Date of calibration:</b> 07/10/2020<br><b>Date of the recommended re-calibration:</b> 07/10/2021  | <b>Certificate No.:</b> 0024995<br><b>Handle by:</b> E0002  |

**Measuring results**

| Reference value | Indication value | Deviation | Allowed deviation | Object |
|-----------------|------------------|-----------|-------------------|--------|
| 94.0dB          | 93.1dB           | -0.9dB    | +/- 1.5dB         | 1      |
| 114.0dB         | 113.1dB          | -0.9dB    | +/- 1.5dB         | 1      |

**Measuring equipment**

| index | Calibrator / Master                 | Traceability |
|-------|-------------------------------------|--------------|
| 1     | Master Sound Meter, SVAN949,sn:8571 | IEC61672     |
| 2     | Sound Calibrator, SV30A sn:32580    | IEC60942     |

**Ambient conditions**

Temperature (20...26)°C

Humidity (20...60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
- 3.The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.
- 4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.
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Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Mr. K.L. Ng

Approved by

Mr. K.S. Ng

Quality Manager



Equipment no.: N-13-01

**Calibration Certificate****0025247**

|  |  |
|--|--|
| Customer :<br>Cinotech Consultants Limited<br>RM 1710, Technology Park,<br>18 On Lai Street, Shatin, N.T.<br>Hong Kong | Object 1 : ST-120 sound calibrator<br>Serial No. /Ref. No. : 181001608<br>Object 2 :<br>Serial No. /Ref. No. : |
| Customer Code : SVEC09005  | Manufacturer : Soundtek  |
| Date of calibration: 05/11/2020<br>Date of the recommended re-calibration: 05/11/2021                                  | Certificate No.: 0025247<br>Handle by: E0002   |

**Measuring results**

| Reference value | Indication value | Deviation | Allowed deviation | Object |
|-----------------|------------------|-----------|-------------------|--------|
| 94.0dB          | 93.7dB           | -0.3dB    | +/- 0.3dB         | 1      |
| 114.0dB         | 113.6dB          | -0.4dB    | +/- 0.5dB         | 1      |

**Measuring equipment**

| index | Calibrator / Master                 | Traceability |
|-------|-------------------------------------|--------------|
| 1     | Master Sound Meter, SVAN949,sn:8571 | IEC61672     |
| 2     | Sound Calibrator, SV30A sn:32580    | IEC60942     |

**Ambient conditions**

Temperature (20...26)°C Humidity (20...60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
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Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Mr. K.L. Ng

Approved by

Quality Manager



Equipment no. : N-13-02

**Calibration Certificate****0025249**

|   |  |
|---|--|
| <b>Customer :</b><br>Cinotech Consultants Limited<br>RM 1710, Technology Park,<br>18 On Lai Street, Shatin, N.T.<br>Hong Kong | <b>Object 1 :</b> ST-120 sound calibrator<br><b>Serial No. /Ref. No. :</b> 181001636<br><b>Object 2 :</b><br><b>Serial No. /Ref. No. :</b> |
| <b>Customer Code :</b> SVEC09005  | <b>Manufacturer :</b> Soundtek   |
| <b>Date of calibration:</b> 05/11/2020<br><b>Date of the recommended re-calibration:</b> 05/11/2021                           | <b>Certificate No.:</b> 0025249<br><b>Handle by:</b> E0002   |

**Measuring results**

| Reference value | Indication value | Deviation | Allowed deviation | Object |
|-----------------|------------------|-----------|-------------------|--------|
| 94.0dB          | 93.7dB           | -0.3dB    | +/- 0.3dB         | 1      |
| 114.0dB         | 113.6dB          | -0.4dB    | +/- 0.5dB         | 1      |

**Measuring equipment**

| index | Calibrator / Master                 | Traceability |
|-------|-------------------------------------|--------------|
| 1     | Master Sound Meter, SVAN949,sn:8571 | IEC61672     |
| 2     | Sound Calibrator, SV30A sn:32580    | IEC60942     |

**Ambient conditions**

Temperature (20...26)°C

Humidity (20...60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source .

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
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**Measured value(s)** **within** **the allowable deviation.**

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Calibration Technician

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Quality Manager