



CALIBRATION CERTIFICATE

Customer name : *****Co., LTD.
 Customer address : **, **, **, **, Japan
 Product : ACCELEROMETER
 Model/ Serial number : PV-00、 00000

Manufacturer : RION CO. , LTD.

Calibration item : Charge sensitivity
 Calibration method : Comparison with working measurement standard accelerometer according to JCSS calibration procedure specified by RION.
 Ambient conditions : Temperature 23 °C ± 5 °C, Relative humidity 50 % ± 25 %
 Calibration date : **/**/**** (DD/MM/YYYY)

We hereby certify that the results of this calibration were as follows.

In charge of calibration
 (Signature)

Issue date : **/**/**** (DD/MM/YYYY)



Manager
 Quality & Environmental Management System Section,
 Quality & Environmental Management System Center,
 RION CO., LTD.
 3-20-41 Higashimotomachi, Kokubunji,
 Tokyo 185-8533, Japan

This certificate is based on article 144 of the Measurement Act and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI).

The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory.

The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2005.

This calibration certificate was issued by the calibration laboratory accredited by IA Japan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Laboratory Accreditation Cooperation (APLAC). This (These) calibration result(s) may be accepted internationally through ILAC/APLAC MRA.

CALIBRATION RESULT

1. Charge sensitivity

| Frequency (Hz) | Setting Acceleration level(m/s ²) | Measured (pC·s ² /m) | *Expanded Uncertainty (%) |
|----------------|---|---------------------------------|---------------------------|
| 20 | 10 | 6.336 | 1.9 |
| 25 | 10 | 6.302 | 2.2 |
| 31.5 | 10 | 6.281 | 2.4 |
| 40 | 10 | 6.257 | 1.5 |
| 50 | 10 | 6.236 | 1.4 |
| 63 | 10 | 6.218 | 1.5 |
| 80 | 10 | 6.197 | 1.4 |
| 100 | 10 | 6.183 | 2.4 |
| 125 | 10 | 6.170 | 3.2 |
| 160 | 10 | 6.145 | 1.6 |
| 200 | 10 | 6.136 | 2.6 |
| 250 | 10 | 6.123 | 1.7 |
| 315 | 50 | 6.097 | 1.4 |
| 400 | 50 | 6.085 | 3.8 |
| 500 | 50 | 6.071 | 3.8 |
| 630 | 50 | 6.048 | 1.3 |
| 800 | 50 | 6.037 | 1.3 |
| 1000 | 100 | 6.028 | 1.3 |
| 1250 | 100 | 6.020 | 1.4 |
| 1600 | 100 | 6.004 | 1.8 |
| 2000 | 100 | 5.993 | 2.4 |
| 2500 | 100 | 5.995 | 3.1 |
| 3150 | 100 | 6.027 | 1.8 |
| 4000 | 100 | 6.038 | 2.3 |
| 5000 | 100 | 6.123 | 3.6 |
| 6300 | 100 | 6.239 | 3.8 |
| 8000 | 150 | 6.419 | 2.1 |
| 10000 | 200 | 6.949 | 3.8 |

* Defines an interval estimated to have a level of confidence of approximately 95 %.
Coverage factor $k=2$

Calibration result is the calibration value in ambient conditions during calibration.

Calibration condition

1. Working measurement standard accelerometer (and charge amplifier)

Accelerometer (sensor, working measurement standard)

Model 8002K

Serial number 0000000

Charge amplifier

Model UV-15

Serial number 00000000

2. Charge amplifier (for calibration item)

Model UV-15

Serial number 00000000

3. Measurement condition

Installation torque: 2 N·m

Shaking direction: Vertical

Accelerometer (sensor) case temperature: $23\text{ °C} \pm 5\text{ °C}$

- closing -

SAMPLE