



## CALIBRATION CERTIFICATE

Customer name : \*\*\*\*\* CO., LTD.  
 Customer address : \*\*, \*\*, \*\*, \*\*, Japan  
 Product : ACCELEROMETER  
 Model/ Serial number : PV-85, 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)  
 Calibration location : 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan  
 RION CO., LTD. Second Vibration Test Room

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

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

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Manager  
 Quality Assurance Section,  
 Environmental Instrument Division,  
 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 17025:2017.

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

## CALIBRATION RESULT

### 1. Charge sensitivity

Frequency (Hz)	Setting Acceleration level(m/s <sup>2</sup> )	Measured (mV·s <sup>2</sup> /m)	*Expanded Uncertainty (%)
20	10	5.946	2.5
25	10	5.920	2.5
31.5	10	5.908	2.5
40	10	5.879	1.8
50	10	5.864	1.8
63	10	5.844	1.6
80	10	5.834	1.6
100	10	5.820	2.3
125	10	5.815	3.0
160	10	5.789	1.7
200	10	5.768	2.5
250	10	5.759	1.7
315	50	5.750	1.5
400	50	5.735	3.6
500	50	5.726	3.7
630	50	5.710	1.4
800	50	5.705	1.3
1000	100	5.695	1.4
1250	100	5.682	1.5
1600	100	5.677	1.9
2000	100	5.677	2.5
2500	100	5.695	3.0
3150	100	5.722	2.1
4000	100	5.791	2.4
5000	100	5.888	3.5
6300	100	6.023	3.9
8000	150	6.359	3.0
10000	200	7.010	4.6

\* 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)

## ① Accelerometer (sensor, working measurement standard)

Model                8002K  
Serial number      0000000

## ② 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: 3.5 N·m

Shaking direction: Vertical

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

- closing -