Certificate No. V000000E

JCSS 0197

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	: */*/**** (D/M/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 : */*/**** (D/M/YYYY)

○○○○○○○○
Manager
Quality Assurance Section,
Quality Assurance Department,
Production Division
RION CO., LTD.
3-20-41 Higashimotomachi, Kokubunji,
Tokyo 185-8533, Japan

This certificate is based on article 144 of the Measurement Law 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 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.

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CALIBRATION RESULT

Charge sensitivity

Vibration frequency (Hz)	Setting Acceleration level (m/s^2)	Measured ($pC \cdot s^2/m$)	Expanded Uncertainty * (%)
20	10	6.336	2.5
25	10	6.302	2.5
31.5	10	6.281	2.5
40	10	6.257	1.8
50	10	6.236	1.8
63	10	6.218	1.6
80	10	6.197	1.6
100	10	6.183	2.3
125	10	6.170	3.0
160	10	6.145	1.7
200	10	6.136	2.5
250	10	6.123	1.7
315	50	6.097	1.5
400	50	6.085	3.6

Vibration frequency (Hz)	Setting Acceleration level (m/s^2)	Measured ($pC \cdot s^2/m$)	Expanded Uncertainty * (%)
500	50	6.071	3.7
630	50	6.048	1.4
800	50	6.037	1.3
1000	100	6.028	1.4
1250	100	6.020	1.5
1600	100	6.004	1.9
2000	100	5.993	2.5
2500	100	5.995	3.0
3150	100	6.027	2.1
4000	100	6.038	2.4
5000	100	6.123	3.5
6300	100	6.239	3.9
8000	150	6.419	3.0
10000	200	6.949	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 0000
   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 °C ± 5 °C

- closing -

RION