

Calculation Report for Shimadzu Corporation and major group companies  
Energy Consumption and CO<sub>2</sub> Emissions from Energy (FY 2022)

Shimadzu Corporation

1. Period covered

April 1, 2022-March 31, 2023

2. Scope of the report

Head office, works, research laboratory, branch offices, and sales offices of Shimadzu Corporation and major group companies

\* See the attachment for details of regarding the scope of the report.

3. Calculation method

CO<sub>2</sub> emissions are calculated based on Act on Promotion of Global Warming Countermeasures. For the calculation of electricity, Japanese domestic companies use the adjusted emission factors of each electric power company published by the Ministry of the Environment Government of Japan, and overseas companies use the IEA emission factor data (2017 values listed in IEA Emission factors 2019) .

4. Calculation result

	Energy consumption (GJ)	Scope1 CO <sub>2</sub> emissions (t)	Scope2 CO <sub>2</sub> emissions (t)	Scope1+2 CO <sub>2</sub> emissions (t)	
Total of sites	☑ 1,055,000	☑ 2,330	☑ 7,650	☑ 9,980	
Break-down	Shimadzu corporation				
	<i>Head Office/Sanjo Works</i>	462,468	1,034	0	1,034
	<i>Murasakino Works</i>	7,633	33	0	33
	<i>Atsugi Works</i>	14,332	0	0	0
	<i>Hadano Works</i>	33,912	4	0	4
	<i>Seta Works</i>	138,315	20	0	20
	<i>Technology Research Laboratory (Keihanna)</i>	47,089	30	0	30
	<i>Tonomachi Works</i>	7,973	0	0	0
	Shimadzu Techno-Research, Inc. (Head Office)	32,664	141	208	348
	Shimane Shimadzu Corporation (Head Office)	34,694	382	0	382
	Shimadzu Diagnostics Corporation (Yuki Works)	22,045	271	829	1,100
Other sites of Shimadzu Group in Japan	28,695	42	495	537	

Group Companies in US	61,567	147	1,105	1,252
Group Companies in Europe	40,226	187	0	187
Group Companies in China	83,137	22	2,804	2,826
Group Companies in Other Countries	40,250	17	2,210	2,227

\*2,019 t-CO<sub>2</sub> emissions are deducted using Renewable Energy Certificates(I-RECs).

\*The data indicated with  has been assured by a third party.

Since each item is rounded, it may not match the total value.

Scope 1: CO<sub>2</sub> emissions from gas, fuel oil A, kerosene, jet fuel, etc. used at business sites

Scope 2: CO<sub>2</sub> emissions from electricity purchased from others at business sites

## [Attachment]

## ■ Shimadzu Corporation (including group companies at the same addresses)

- Head Office/Sanjo Works, Murasakino Works, Atsugi Works, Hadano Works, Oike Works\*, Seta Works, Technology Research Laboratory (Keihanna), Tonomachi Works Offices, Branches and Sales Offices  
(Tokyo Office, Kansai Office, Kyushu branch, Nagoya branch, Yokohama branch, Kitakanto branch, Kobe branch, Tsukuba branch, Hiroshima branch, Tohoku branch, Sapporo branch, Shikoku branch, Shizuoka branch, Okayama Sales Office, Koriyama Sales Office, Matsuyama Sales Office) \*

## ■ Group Companies in Japan (excluding group companies based inside Shimadzu Corporation)

- Shimadzu Techno-Research, Inc. (Head Office, Tokyo Office\*)
- Shimane Shimadzu Corporation (Head Office)
- Shimadzu Diagnostics Corporation (Head Office\*, Yuki Works, Kuki Works\*)
- Shimadzu Access Corporation (Head Office, Tokyo Office, Osaka branch, Kyusyu branch) \*
- Shimadzu Device Corporation (Kalnew Iida Factory) \*
- Shimadzu Science West Corporation (Head Office, Osaka branch) \*
- Shimadzu Science East Corporation (Head Office, Tokyo Office) \*
- Shimadzu GLC Ltd. (Head Office, Tokyo Office) \*
- Shimadzu Rika Corporation (Head Office, Tokyo Office) \*
- Shimadzu Logistics Service Corporation (International Logistics Department) \*
- Taiheikogyo Co., Ltd. (Head Office) \*

\*The data is included in “Other sites of Shimadzu Group in Japan”.

## ■ Group Companies in China

- Shimadzu (China) Co., Ltd. (Beijing, Shanghai, Guangzhou, Shenyang, Sichuan, Nanjing, Urumqi, Xi'an, Chongqing, Kunming, Shenzhen, Wuhan, Henan)
- Beijing Shimadzu Medical Equipment Co., Ltd.
- Tianjin Shimadzu Hydraulic Equipment Co., Ltd.
- Shimadzu (Suzhou) Instruments Manufacturing, Co., Ltd.
- Ningbo Shimadzu Vacuum Technology Development Co., Ltd.

## ■ Group Companies in US

- Shimadzu Scientific Instruments, Inc.
- Shimadzu Aircraft Equipment USA
- Shimadzu USA. Manufacturing, Inc.

## ■ Group Companies in Europe

- < U.K. > Kratos Group PLC.
- < Germany > Shimadzu Europa GmbH
- < France > ALSACHIM SAS

## ■ Group Companies in Other Countries

- < Singapore > Shimadzu (Asia Pacific) Pte Ltd.
- < Vietnam > Shimadzu Vietnam Co., Ltd.
- < Malaysia > Shimadzu Manufacturing Asia Sdn. Bhd.
- < Philippines > Shimadzu Philippines Manufacturing Inc.
- < Korea > Shimadzu Korea Vacuum Equipment Co., Ltd.

## Independent Practitioner's Assurance Report

April 26, 2024

Mr. Yasunori Yamamoto,  
Representative Director, President & CEO,  
Shimadzu Corporation.

Tomoharu Hase  
Representative Director  
Deloitte Tohmatsu Sustainability Co., Ltd.  
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We have undertaken a limited assurance engagement of the energy consumption and CO<sub>2</sub> emissions from energy indicated with ☑ for the year ended March 31, 2023 (the "CO<sub>2</sub> Related Information") included in the "Calculation Report for Shimadzu Corporation and major group companies Energy Consumption and CO<sub>2</sub> Emissions from Energy (FY 2022)" (the "Report") of Shimadzu Corporation (the "Company").

### The Company's Responsibility

The Company is responsible for the preparation of the CO<sub>2</sub> Related Information in accordance with the calculation and reporting standard adopted by the Company (indicated with "2.Scope of the report" and "3.Calculation method" of the Report). CO<sub>2</sub> quantification is subject to inherent uncertainty for reasons such as incomplete scientific knowledge used to determine emissions factors and numerical data.

### Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior. We apply International Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements*, and accordingly maintain a comprehensive system of quality management including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

### Our Responsibility

Our responsibility is to express a limited assurance conclusion on the CO<sub>2</sub> Related Information based on the procedures we have performed and the evidence we have obtained. We conducted our limited assurance engagement in accordance with the International Standard on Assurance Engagements ("ISAE") 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, issued by the International Auditing and Assurance Standards Board ("IAASB"), ISAE 3410, *Assurance Engagements on Greenhouse Gas Statements*, issued by the IAASB and *the Practical Guideline for the Assurance of Sustainability Information*, issued by the Japanese Association of Assurance Organizations for Sustainability Information.

The procedures we performed were based on our professional judgment and included inquiries, observation of processes performed, inspection of documents, analytical procedures, evaluating the appropriateness of quantification methods and reporting policies, and agreeing or reconciling with underlying records. These procedures also included the following:

- Evaluating whether the Company's methods for estimates are appropriate and had been consistently applied. However, our procedures did not include testing the data on which the estimates are based or reperforming the estimates.
- Undertaking site visits to assess the completeness of the data, data collection methods, source data and relevant assumptions applicable to the sites.

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement.

### Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the CO<sub>2</sub> Related Information is not prepared, in all material respects, in accordance with the calculation and reporting standard adopted by the Company.

The above represents a translation, for convenience only, of the original Independent Practitioner's Assurance report issued in the Japanese language.