

Calculation Report for Shimadzu group companies  
Energy Consumption and CO<sub>2</sub> Emissions from Energy(FY 2021)

Shimadzu Corporation

1. Period covered

April 1, 2021-March 31, 2022

2. Scope of the report

Head office, works, research laboratory, branch offices, and sales offices of Shimadzu 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 basic 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		☑ 982,528	☑ 2,243	☑ 16,145	☑ 18,389
Break down	Shimadzu corporation				
	<i>Head Office/Sanjo Works</i>	460,214	1,059	3,604	4,664
	<i>Murasakino Works</i>	5,390	30	30	60
	<i>Seta Works</i>	125,288	30	954	984
	<i>Atsugi Works</i>	14,898	20	170	190
	<i>Hadano Works</i>	31,642	4	296	300
	<i>Keihanna Research Institute</i>	46,116	29	335	364
	Shimadzu Techno-Research, Inc (Head Office)	33,869	143	447	590
	Shimane Shimadzu Corporation (Head Office)	31,290	385	1,295	1,679
	Taiheikogyo Co., Ltd. (Head Office)	3,009	0	10	10
	Other sites of Shimadzu Group in Japan	23,621	17	726	743
Group Companies		83,760	21	5,211	5,232

	in China				
	Group Companies in US	57,303	141	1,285	1,426
	Group Companies in Europe	34,248	342	0	342
	Group Companies in Other Countries	31,879	24	1,781	1,805

- ※ 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, diesel fuel, 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, Seta Works,
  - Keihanna Research Institute
  - 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 Access Corporation (Head Office/Tokyo Office, Osaka branch, Kyusyu branch)
  - Shimadzu Device Corporation (Kalnew Iida Factory)
  - Shimadzu Science East Corporation (Head Office/ Osaka branch)
  - Shimadzu Science West Corporation (Head Office/ Tokyo Office)
  - Shimadzu Techno-Research, Inc (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)
  - Shimane Shimadzu Corporation (Head Office)
  - Taiheikogyo Co., Ltd. (Head Office)
  
- 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
  
- 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

March 31, 2023

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

Masahiko Sugiyama  
Representative Director  
Deloitte Tohmatsu Sustainability Co., Ltd.  
3-2-3, Marunouchi, Chiyoda-ku, Tokyo

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, 2022 (the "CO<sub>2</sub> Related Information") included in the "Calculation Report for Shimadzu group companies Energy Consumption and CO<sub>2</sub> Emissions from Energy (FY 2021)" (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 Control

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 Control 1, *Quality Control for Firms that Perform Audits and Reviews of Financial Statements, and Other Assurance and Related Services Engagements*, and accordingly maintain a comprehensive system of quality control 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.