



SK-H050

Main unit

## SPECIFICATIONS

|                              |                                        |                                            |                                                                                   |
|------------------------------|----------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|
| Model                        |                                        |                                            | SK-H050                                                                           |
| Charge potential measurement | Measurement mode                       |                                            | High-precision mode, Wide-range mode                                              |
|                              | Measuring distance                     | High-precision mode                        | 25 mm 0.98"                                                                       |
|                              |                                        | Wide-range mode                            | 100 mm 3.94"                                                                      |
|                              | Measuring range                        | High-precision mode                        | ±2 kV                                                                             |
|                              |                                        | Wide-range mode                            | ±50 kV                                                                            |
|                              | Measuring accuracy                     | High-precision mode                        | ±10 V <sup>*1</sup>                                                               |
|                              |                                        | Wide-range mode                            | ±100 V <sup>*1,2</sup>                                                            |
|                              | Display resolution                     |                                            | 0 to 999 V : 1 V, 1.00 to 9.99 kV : 0.01 kV. 10.0 kV and higher : 0.1 kV          |
| Sampling cycle               |                                        | Approx 1.4 ms                              |                                                                                   |
| Temperature measurement      | Measuring range                        |                                            | 0 to +40°C 32°F to 104°F                                                          |
|                              | Measuring accuracy                     |                                            | ±1°C 30.2 to 33.8°F <sup>*3</sup>                                                 |
|                              | Display resolution                     |                                            | 0.1°C 32.2°F                                                                      |
|                              | Sampling cycle                         |                                            | 1 s                                                                               |
| Humidity measurement         | Measuring range                        |                                            | 10 to 85% RH                                                                      |
|                              | Measuring accuracy                     |                                            | ±5% RH <sup>*3</sup>                                                              |
|                              | Display resolution                     |                                            | 1% RH                                                                             |
|                              | Sampling cycle                         |                                            | 1 s                                                                               |
| Charge monitor function      | Ion balance measuring mode             | Ion balance measuring range                | ±1 kV <sup>*4</sup>                                                               |
|                              |                                        | Measured voltage display resolution        | ±10 V <sup>*4,5</sup>                                                             |
|                              |                                        |                                            | 1 V <sup>*4</sup>                                                                 |
|                              | Static elimination time measuring mode | Charge voltage                             | ±1400 V <sup>*4</sup>                                                             |
|                              |                                        | Static elimination time display resolution | 0.1 s <sup>*4</sup>                                                               |
|                              |                                        | Measuring time                             | 0 to 99 s <sup>*4</sup>                                                           |
| Laser class                  |                                        |                                            | Class 1 Laser Product (IEC60825-1 : 2014, FDA (CDRH) Part 1040.10 <sup>*6</sup> ) |
| PC interface                 |                                        |                                            | USB 2.0 Full Speed                                                                |
| Power supply                 |                                        |                                            | 2 AA alkaline dry-cell batteries                                                  |
| Power supply                 | Operating time                         |                                            | 8 hours (in charge potential measuring mode)                                      |
| Environmental resistance     | Ambient temperature                    |                                            | 0 to +40 °C 32 to 104 °F (No freezing or condensation)                            |
|                              | Relative humidity                      |                                            | 10 to 85 % RH (No condensation) <sup>*7</sup>                                     |
| Material                     |                                        |                                            | SK-H050 : PC-ABS, PC, SUS/SK-H055 : PC, SUS, PTFE, PVC                            |
| Weight                       |                                        |                                            | SK-H050: Approx. 240 g, SK-H055: Approx. 220 g                                    |

<sup>\*1</sup> Within ±100 V when using high-precision mode; within ±1 kV when using wide-range mode. In other ranges, display value has an accuracy of ±10% (display value). Values are obtained from measurements with a response time of 0.8 seconds.

<sup>\*2</sup> Measuring accuracy is satisfied in the range of ±30 kV.

<sup>\*3</sup> 25°C 77°F, 50% RH.

<sup>\*4</sup> SK-H055 is required.

<sup>\*5</sup> Within ±100 V. In other ranges, display value has an accuracy of ±10% (display value).

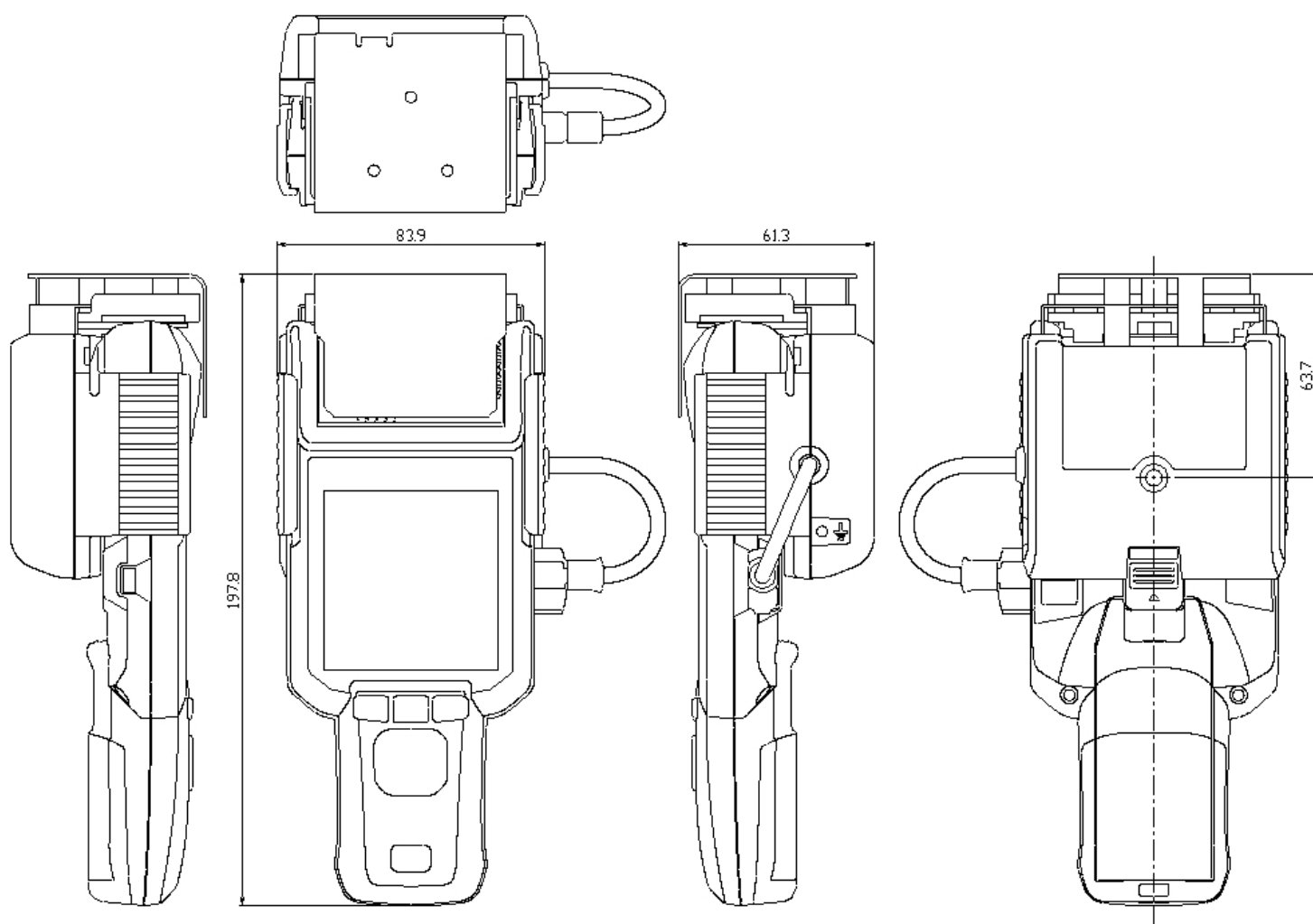
<sup>\*6</sup> The laser classification for FDA (CDRH) is implemented based on IEC60825-1 in accordance with the requirements of Laser Notice No. 50.

<sup>\*7</sup> 10 to 60 % RH when using SK-H055.

**Dimensions**

\* Download CAD file or product manual for larger image/text and more detail.

SK-H050+055



SK-H050

