

## EJ-102N/Interface unit CC-Link/Interface unit USB

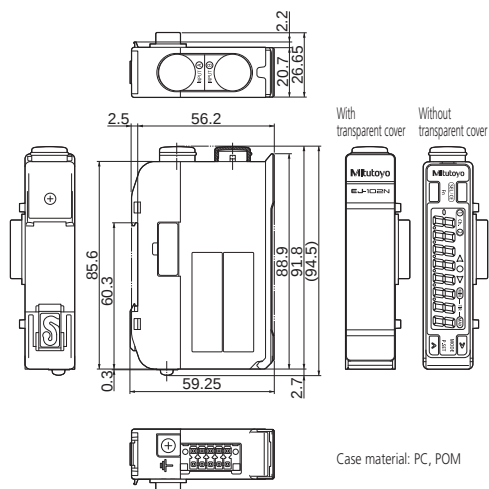
### SPECIFICATIONS

| Order No.                               |                                    | 542-081A<br>Includes AC components                                                                                                        | 542-081 |
|-----------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Unit                                    |                                    | inch/mm                                                                                                                                   |         |
| Resolution                              |                                    | 0.0002, 0.00005, 0.00002, 0.000005 (inch)/<br>0.005, 0.001, 0.0005, 0.0001 (mm)                                                           |         |
| Number of linear gage connection ports  |                                    | 2                                                                                                                                         |         |
| Supported gage signal                   |                                    | Differential square wave, differential square wave with reference point mark                                                              |         |
| Maximum input frequency                 |                                    | 5 MHz                                                                                                                                     |         |
| User Interface                          | Display                            | Negative sign + 8 digits and indicator<br>(1 gage value displayed, manually switchable)                                                   |         |
|                                         | Number of I/O ports                | Input: 4 ports (Ch switch, peak clear, data hold, preset)<br>Output: 4 ports (Err/ALLGO, Tolerance judgment)                              |         |
| External I/O                            | Compatible communication standards | CC-Link, USB<br>(Supported with optional interface units)                                                                                 |         |
|                                         | Max. number of linked units        | EJ Counter 8 units + 1 (optional) interface unit<br>(Max. number of linear gage connections: 16)                                          |         |
| Power supply                            | Input voltage                      | 10 V to 27 V DC                                                                                                                           |         |
|                                         | Power consumption                  | 1 unit only: 3 W or less (Includes 2 linear gages)<br>Max. number of links: 30 W or less<br>(Interface unit and 16 linear gages included) |         |
| Operating temperature (humidity) ranges |                                    | 0 to 50 °C (RH 20 to 80%, non-condensing)                                                                                                 |         |
| Storage temperature (humidity) ranges   |                                    | -10 to 60 °C (RH 20 to 80%, non-condensing)                                                                                               |         |
| Mass                                    |                                    | Approx. 120 g                                                                                                                             |         |
| CE Marking                              |                                    | EMC Directive: EN 61326-1<br>Immunity test requirement: Clause 6.2 Table 2<br>Emission limit: Class A<br>RoHS Directive: EN IEC 63000     |         |

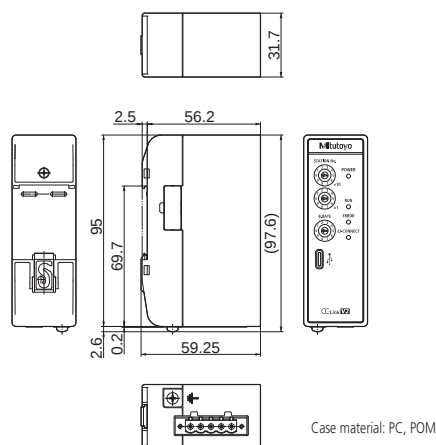
| Connectable linear gage series | Conversion cable (optional)   |
|--------------------------------|-------------------------------|
| LG100                          | Not necessary                 |
| LGF-Z                          | Necessary ( <b>21HZA194</b> ) |
| LGF/LGK/LGB/LG                 | Necessary ( <b>21HZA193</b> ) |

## DIMENSIONS

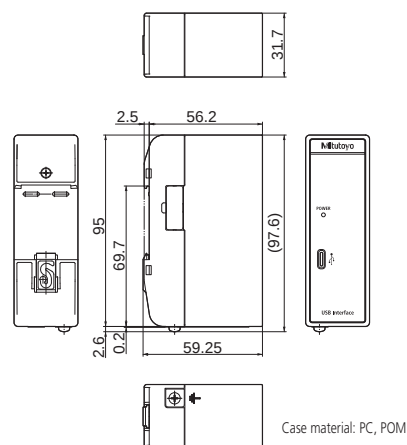
### • 542-081A/542-081



### • Interface unit CC-Link



### • Interface unit USB



Unit: mm

### SPECIFICATIONS

| Order No.                               |         | 21HZA186                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                               |         | Interface unit CC-Link                                                                                                                                                                                                                                                                          |
| Applicable interface                    |         | USB 2.0 Full Speed                                                                                                                                                                                                                                                                              |
|                                         |         | CC-Link Ver. 1.10                                                                                                                                                                                                                                                                               |
|                                         |         | CC-Link Ver. 2.00                                                                                                                                                                                                                                                                               |
| User Interface                          | Display | POWER (green), RUN (green), ERROR (red),<br>EJ-CONNECT (green)                                                                                                                                                                                                                                  |
|                                         | Switch  | Rotary switch×3<br>(Exchange number settings×2,<br>communication speed settings×1)                                                                                                                                                                                                              |
| Functions                               |         | Common protocols for USB and CC-Link, Readout of current value*1, Current value hold (software hold), Parameter setting on EJ counter, Tolerance judgment value settings, Preset value settings, preset/zero-set clear, peak clear, error clear<br>*1 Only Ver. 2.00 is supported with CC-Link. |
| Power supply                            |         | Power is supplied from <b>542-081A/542-081</b><br>(Cannot be charged via USB)                                                                                                                                                                                                                   |
| Operating temperature (humidity) ranges |         | 0 to 50 °C (RH 20 to 80%, non-condensing)                                                                                                                                                                                                                                                       |
| Storage temperature (humidity) ranges   |         | -10 to 60 °C (RH 20 to 80%, non-condensing)                                                                                                                                                                                                                                                     |
| CE Marking                              |         | EMC Directive: EN 61326-1<br>Immunity test requirement: Clause 6.2 Table 2<br>Emission limit: Class A<br>RoHS Directive: EN IEC 63000                                                                                                                                                           |

### SPECIFICATIONS

| Order No.                               |  | 21HZA149                                                                                                                                                                                                |
|-----------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                               |  | Interface unit USB                                                                                                                                                                                      |
| Applicable interface                    |  | USB 2.0 Full Speed                                                                                                                                                                                      |
| User Interface                          |  | POWER (green)                                                                                                                                                                                           |
| Functions                               |  | Readout of current value, Current value hold (software hold), Parameter setting on EJ counter, Tolerance judgment value settings, Preset value settings, preset/zero-set clear, peak clear, error clear |
| Power supply                            |  | Power is supplied from <b>542-081A/542-081</b><br>(Cannot be charged via USB)                                                                                                                           |
| Operating temperature (humidity) ranges |  | 0 to 50 °C (RH 20 to 80%, non-condensing)                                                                                                                                                               |
| Storage temperature (humidity) ranges   |  | -10 to 60 °C (RH 20 to 80%, non-condensing)                                                                                                                                                             |
| CE Marking                              |  | EMC Directive: EN 61326-1<br>Immunity test requirement: Clause 6.2 Table 2<br>Emission limit: Class A<br>RoHS Directive: EN IEC 63000                                                                   |