

ABS Digmatic Indicator ID-SX

Comparatore Digmatic Indicative ABS ID-SX

ABS Digmatic Måtur ID-SX

ABS 디지털매트 인디게터 ID-SX

ABS 数显千分表 ID-SX

ABS 液晶指示量錶 ID-SX

Safety Precautions

For your own safety, use this instrument in conformance with the directions and specifications given in this User's Manual.

Export Control Compliance

The goods, technologies or software described herein may be subject to National Authorities or International, or Japanese Export Controls. To export directly or indirectly such matter without due approval from the appropriate authorities may therefore be a breach of export control regulations and the law.

Battery-related Warnings

- If the battery is removed or abused, leakage or, in extreme cases, explosion and/or fire can result. Observe the following precautions to avoid instrument failure or malfunction.
- Do not disassemble, deform, short-circuit, charge, or heat the battery at 100°C or over, or throw the battery into a fire.
 - Always insert the battery correctly with regard to the polarity (+ and -) marked on the battery and the instrument.
 - Always use the recommended battery.
 - If the instrument will not be used for more than three months, remove the battery and store it separately.
 - When discharging or storing the battery, cover the positive (+) and negative (-) terminals with insulating tape to prevent contact with other metals. When disposing of it, follow the ordinance or regulations of the local government.
 - Keep the battery away from direct sunlight, high temperatures, high humidity and/or use of the reach of children.
 - Do not replace the battery if it is swollen, curled, a plasticim deformation, or if it is leaking.
 - Should the contact corner of an eye, or enter the mouth, rinse with water immediately and consult a physician. Should it adhere to clothing, wash the clothing with water.

Disposal Warnings

- A liquid crystal display and a silver oxide battery are used in this product. When disposing of the instrument, follow the ordinance or regulations of the local government.
- The liquid crystal display contains an initiating substance.
- Should the liquid crystal display come in eye or skin, wash with clean, plain water. If the substance enters the mouth, immediately rinse the mouth, drink plenty of water, induce vomiting, and then consult a physician.

Cautions on use

Observe the following precautions to avoid instrument failure or malfunction.

IMPORTANT

- Do not strike the instrument or allow it to be struck. Do not drop or use it excessively rough or to.
- Do not disassemble and modify the instrument.
- Do not use an electric marking machine or other device on the micrometer. It may damage the instrument.
- When the indicator is used, use a soft cloth or a diluted neutral detergent. Do not use any organic solvent (thinner or benzene). It may damage or damage the indicator.
- The contaminated spindle may cause malfunction. Wipe on with a cloth dampened with alcohol.

[1] Dimensions and Nomenclature

1) Dimensions of each part

Dimension (7) represents a dimension of the Flat Back type. No marking represents a dimension of the Back with Lug type and a common dimension of both types.

2) Nomenclature

- | | | | | |
|------------------------------|-------------------|---|----------------------|----------|
| (1) Cap | (2) Lug | (3) Flat Back | (4) Output connector | (5) Stem |
| (6) Spindle | (7) Contact point | (8) Display (LCD) | (9) Battery holder | |
| (10) Lever mounting position | (11) Release lock | (12) Item connector (only for series SAS-782/793/791/792/793) | (13) ORIGIN key | |
| (14) ON/OFF key | (15) +/- key | | | |

IMPORTANT

Do not touch the display unit of the indicator. Doing so may damage the display unit.

[2] Setting Up

1) Replacing Battery

- Use a silver oxide battery (SR44).
- Remove the battery holder by using a screwdriver or the like.
- When replacing the battery, remove the positive battery.
- Set a new battery into the battery holder, with the (+) side facing the front.
- Set the battery holder on the original position.

IMPORTANT

Battery is not set in this indicator for the default setting. Set the battery before use the indicator. The battery holder is not set properly, the instrument may not display the correct value or a malfunction may result. If the Measurement mode is not entered after executing the above procedure, start the battery again. When the battery is inserted, the display shows the battery status (displayed as "B"). This is not a malfunction. Set the origin, then perform measurement. Refer to [3].

If the instrument will not be used for more than three months, remove the battery and store it separately to prevent damage by battery leakage.

NOTES

- Do not use a sharp-pointed tool to remove the battery holder and/or not pry the battery holder, to prevent damage to the battery holder. The supplied battery is not used to check the functions and performance of the instrument, so may not meet the battery life specification. If the battery is removed, origin is canceled. After setting the battery, reset the origin at the reference position of origin.

2) Mounting Lifting Lever (Optional/Parts No. 21E2A198 (mm), 21E2A199 (mm))

A lifting lever (optional) is available for this instrument.

- When attaching the lifting lever to the top of the instrument, remove the screw (M2.5 or No.4-48UNF) at the top of the spindle.
- Attach the spindle stop provided with the lifting lever. Next, tie the lifting lever to the lever mounting part (provided) while applying to tie to the spindle stop.

IMPORTANT

Do not touch the display unit of the indicator. Doing so may damage the display unit.

3) Mounting Lifting Knob (Optional/Parts No. 21E2A105 (mm), 21E2A199 (mm))

A lifting knob (optional) is available.

- Rotate the cap with counterclockwise to remove it from the instrument.
- Hold the spindle with pliers (provided) with a cap to prevent rotation, remove the screw (M2.5 or No.4-48UNF) at the top of the spindle.
- Attach the spindle stop provided with the lifting lever. Next, tie the lifting lever to the lever mounting part (provided) while applying to tie to the spindle stop.

IMPORTANT

Do not touch the display unit of the indicator. Doing so may damage the display unit.

4) Mounting of Release (Optional/Parts No. S40774)

A release (optional) is available.

- Remove the rubber cap from the release mounting hole, and then insert the release as far as possible into the hole.

IMPORTANT

- Do not remove the rubber cap, taking care to prevent loss.
- When attaching the rubber cap, insert it into the hole.
- When the release is not mounted, be sure to attach the removed screw to the top of the spindle. Failure to do so may damage the internal parts of the instrument.

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Precauzioni relative alla sicurezza

Per garantire la sicurezza dell'operatore, utilizzare questo strumento in conformità alle direttive e alle specifiche fornite nel manuale d'uso.

Note sulle Norme di Esportazione

Questo prodotto e i suoi componenti sono soggetti a controlli di esportazione e di importazione, e possono essere soggetti a controlli di esportazione e di importazione.

Avvertenze relative alla batteria

- Un utilizzo non corretto della batteria o la presenza di pericoli può causare, in caso estremo, esplosioni o incendi. Osservare le seguenti precauzioni ed evitare il malutilizzo o un uso scorretto.
- Non smontare, deformare, cortocircuare, caricare o riscaldare la batteria a 100°C o più, né gettarla nella batteria nel fuoco.
- Inserezze sempre la batteria correttamente tenendo presente la polarità (+ e -) indicata sulla batteria e sullo strumento.
- Usare sempre la batteria raccomandata.
- Se lo strumento non viene usato per più di tre mesi, rimuovere la batteria e conservarla separatamente.
- Quando si smonta o si carica la batteria, coprire i terminali (+) e (-) con nastro isolante per impedire il contatto con altri metalli. Quando si smonta, seguire le norme e i regolamenti dell'azienda produttrice.
- Se la batteria entra in contatto con gli occhi o con la pelle, sciacquare con abbondante acqua pulita. Se la sostanza entra in contatto con la bocca, sciacquare immediatamente la bocca, bere acqua pulita, provocare il vomito e consultare poi un medico.
- Non ingoiare la batteria. In caso di ingestione, consultare immediatamente un medico.
- Se la sostanza entra in contatto con gli occhi o la pelle o viene ingerita, sciacquare immediatamente con acqua e consultare un medico.
- Se la faccia suoli, lavare gli strumenti con acqua.

Avvertimenti per lo smaltimento

- Il display a cristalli liquidi e la batteria a ossido d'argento sono rifiuti pericolosi e vanno smaltiti separatamente, seguendo le normative o i regolamenti delle autorità locali.
- Il display a cristalli liquidi contiene una sostanza irritante.
- Se la batteria entra in contatto con gli occhi o con la pelle, sciacquare con abbondante acqua pulita. Se la sostanza entra in contatto con la bocca, sciacquare immediatamente la bocca, bere acqua pulita, provocare il vomito e consultare poi un medico.

Avvertenze d'uso

Osservare le seguenti precauzioni per evitare il malutilizzo o un uso scorretto dello strumento.

IMPORTANTE

- Non colpire lo strumento né farlo urtare. Non farlo cadere né applicarvi eccessive forze.
- Non smontare e modificare lo strumento.
- Non utilizzare lo strumento come una pinza per prendere elettricità o altri materiali.
- Quando la batteria è inserita, il display mostra lo stato della batteria. Se "B" non appare, il malutilizzo o un uso scorretto dello strumento è in corso. Rimuovere la batteria e sostituirla con una nuova batteria.
- Se lo strumento non viene usato per più di tre mesi, rimuovere la batteria e conservarla separatamente.
- Se la batteria entra in contatto con gli occhi o con la pelle, sciacquare con abbondante acqua pulita. Se la sostanza entra in contatto con la bocca, sciacquare immediatamente la bocca, bere acqua pulita, provocare il vomito e consultare poi un medico.

[1] Dimensioni e nomenclatura

1) Dimensioni di ogni parte

La dimensione (7) rappresenta la dimensione del modello a fondo piatto. Nessuna marcatura indica la dimensione del modello a fondo con attacco e la dimensione comune di entrambi i modelli.

2) Nome e funzione di ogni parte

- | | | | | |
|---|-----------------------|---|-------------------------|-----------|
| (1) Cap | (2) Lappia | (3) Fondo piatto | (4) Connettore d'uscita | (5) Stelo |
| (6) Spindel | (7) Punto di contatto | (8) Display (LCD) | (9) Portabatterie | |
| (10) Posizione di montaggio dello spindel | (11) Rilascio | (12) Item connector (only for series SAS-782/793/791/792/793) | (13) ORIGIN key | |
| (14) ON/OFF key | (15) +/- key | | | |

IMPORTANTE

Non toccare il display di questo comparatore, per evitare di danneggiarlo.

[2] Installazione

1) Sostituzione della batteria

- Utilizzare una batteria all'ossido d'argento (SR44).
- Rimuovere il portabatterie usando un cacciavite a punta sottile.
- Quando si sostituisce la batteria, rimuovere la batteria usata.
- Inserire una nuova batteria nella porta positiva (+) e nella porta negativa (-).
- Set the battery holder on the original position.

IMPORTANTE

Battery is not inserted in this indicator for the default setting. Insert the battery before use the instrument. The battery holder is not set properly, the instrument may not display the correct value or a malfunction may result. If the Measurement mode is not entered after executing the above procedure, start the battery again. When the battery is inserted, the display shows the battery status (displayed as "B"). This is not a malfunction. Set the origin, then perform measurement. Refer to [3].

If the instrument will not be used for more than three months, remove the battery and store it separately to prevent damage by battery leakage.

NOTE

- Do not use a sharp-pointed tool to remove the battery holder and/or not pry the battery holder, to prevent damage to the battery holder. The supplied battery is not used to check the functions and performance of the instrument, so may not meet the battery life specification. If the battery is removed, origin is canceled. After setting the battery, reset the origin at the reference position of origin.

2) Mounting Lifting Lever (Optional/Parts No. 21E2A198 (mm), 21E2A199 (mm))

A lifting lever (optional) is available for this instrument.

- When attaching the lifting lever to the top of the instrument, remove the screw (M2.5 or No.4-48UNF) at the top of the spindle.
- Attach the spindle stop provided with the lifting lever. Next, tie the lifting lever to the lever mounting part (provided) while applying to tie to the spindle stop.

IMPORTANT

Do not touch the display unit of the indicator. Doing so may damage the display unit.

3) Mounting Lifting Knob (Optional/Parts No. 21E2A105 (mm), 21E2A199 (mm))

A lifting knob (optional) is available.

- Rotate the cap with counterclockwise to remove it from the instrument.
- Hold the spindle with pliers (provided) with a cap to prevent rotation, remove the screw (M2.5 or No.4-48UNF) at the top of the spindle.
- Attach the spindle stop provided with the lifting lever. Next, tie the lifting lever to the lever mounting part (provided) while applying to tie to the spindle stop.

IMPORTANT

Do not touch the display unit of the indicator. Doing so may damage the display unit.

4) Mounting of Release (Optional/Parts No. S40774)

A release (optional) is available.

- Remove the rubber cap from the release mounting hole, and then insert the release as far as possible into the hole.

IMPORTANT

- Do not remove the rubber cap, taking care to prevent loss.
- When attaching the rubber cap, insert it into the hole.
- When the release is not mounted, be sure to attach the removed screw to the top of the spindle. Failure to do so may damage the internal parts of the instrument.

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