Stock management at steel works involves a lot of manual lettering and printing. Shipping errors as a result of mistaken labeling are costly. Nireco has developed a portable marking system to be a support tool to enable workers to easily create clear and accurate markings.

**Outstanding printing performance and weight saving!**

Features

- **Compact and lightweight**  
  Easy to carry around, with a weight of 3 kg.

- **Placement**  
  Magnets easily hold the printer on to the steel to be labeled

Examples of the marking system attached to steel product

- (Side)
- (Upper surface)

Sample of printing

- Top: small characters H 50 mm
- Bottom: large characters H 80 mm
# Portable Marking System

## Specifications

### System specifications

<table>
<thead>
<tr>
<th>Printer head external dimensions</th>
<th>Type A</th>
<th>(W) 810 x (D) 270 x (H) 210 / 3.5 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type B</td>
<td>(W) 680 x (D) 270 x (H) 210 / 3.0 kg</td>
<td></td>
</tr>
<tr>
<td>Printing area</td>
<td>Type A</td>
<td>(W) 80 x (H) 500</td>
</tr>
<tr>
<td></td>
<td>Type B</td>
<td>(W) 80 x (H) 350</td>
</tr>
<tr>
<td>Control box external dimensions</td>
<td>Type A</td>
<td>(W) 210 x (D) 260 x (H) 160 / 3.0 kg</td>
</tr>
<tr>
<td></td>
<td>Type B</td>
<td></td>
</tr>
<tr>
<td>Ambient temperature during operation (°C)</td>
<td>0 to 40</td>
<td></td>
</tr>
<tr>
<td>Acceptable temperature range of steel materials to be printed (°C)</td>
<td>5 to 250</td>
<td></td>
</tr>
<tr>
<td>Data input method</td>
<td>Wireless LAN / Bluetooth / Direct manual input / Barcode scan</td>
<td></td>
</tr>
</tbody>
</table>

### Printed character size (mm)

- Large: (H) 80 x (W) 23
- Small: (H) 50 x (W) 23

### Character types

- Alphanumeric (bold), -(hyphen)

### Character thickness (mm)

- 4 to 7

### Printing speed

- 1.5 sec/character

### Ink supply method

- Pouch pack with pressurized delivery

### Ink consumption

- 6,000 characters/pack (large characters)

### Ink type

- NHP40

### Ink pack volume (cc)

- 40

## Example of marking system configuration

1. Portable marking system (Printer head)
2. Control box
3. Control cable 20 m
4. PDA / Cradle (Bluetooth connection (standard))
5. Touch-panel
6. Air regulator (Air pressure 0.4 MPa, 30 L/min. or more)
7. Data transmission and reception system
8. Replaceable ink pouch pack
9. Data manual input
10. Barcode input

## System configuration

<table>
<thead>
<tr>
<th>Standard</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>① Printer head</td>
<td>① Printer head Supplied with 1 pouch pack</td>
</tr>
<tr>
<td>② Control box</td>
<td>② Control box Supplied with 2-meter AC100 - 240 V power supply cable (3-pin) / with a 2-pin adapter plug</td>
</tr>
<tr>
<td>③ Control cable</td>
<td>③ Control cable 20 m (connectors at both ends)</td>
</tr>
<tr>
<td>④ PDA / Cradle</td>
<td>④ PDA / Cradle Supplied with power supply adapter</td>
</tr>
<tr>
<td>⑤ Touch-panel</td>
<td>⑤ Touch-panel 4-7-inch color screen</td>
</tr>
<tr>
<td>⑥ Storage case</td>
<td>⑥ Storage case Duralumin (H) 950 x (D) 530 x (H) 430</td>
</tr>
<tr>
<td>⑦ Air regulator</td>
<td>⑦ Air regulator 2-port; Adjustment range: 0.05 to 0.4 MPa</td>
</tr>
<tr>
<td>⑧ Data transmission and reception system</td>
<td>⑧ Data transmission and reception system Tailored to application requirements</td>
</tr>
<tr>
<td>⑨ Replaceable ink pouch packs</td>
<td>⑨ Replaceable ink pouch packs Available by the case (5 packs per case)</td>
</tr>
</tbody>
</table>

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