## Specifications

| | M-1Pro | M-1Std. |
|---|---|---|
| Printing method | Thermal transfer | |
| Resolution | 300dpi | |
| Printing speed | Tube : High speed 40 mm/s, Middle speed 25 mm/s, Low speed 18.5 mm/s<br>Label : High speed 40 mm/s, Middle/Low speed 25 mm/s | Tube : High speed 25 mm/s, Standard 18.5 mm/s, Low speed 12.5 mm/s<br>Label : High speed 25 mm/s, Standard/Low speed 18.5 mm/s |
| Output rate | High speed : About 42 pcs./min.   Middle speed : About 35 pcs./min.<br>Low speed : About 30 pcs./min.<br>( Printing 20mm tubes, 5 full-size characters,<br>consecutive print mode, half - cutting.) | High speed : About 35 pcs./min.   Standard speed : About 30 pcs./min.<br>Low speed : About 21 pcs./min.<br>( Printing 20mm tubes, 5 full - size characters,<br>consecutive print mode, half - cutting.) |
| Ink Ribbons | Exclusive cassette. Black : 100 m;  White :  85 m | Exclusive cassette. Black : 100 m ;  White :  85 m |
| Character sizes | 1.3 mm( only full-width available ),<br>2 mm, 3 mm, 6 mm ( full-width, half-width available for each ). | 2 mm, 3 mm, 6 mm (full-width, half-width available for each). |
| Input modes | Alphanumeric, Symbol input | Alphanumeric, Symbol input |
| Display | LCD Graphic ( 160 x 64 dots ) | |
| Display capacity | 10 characters / line x 2 lines ( full-width )<br>or 20 characters/line x 2 lines ( half-width )<br>( 3 lines editing is possible. ) | 10 characters / line x 2 lines ( full-width )<br>or 20 characters/line x 2 lines ( half-width ) |
| Built-in memory | Print data: Approx. 2,500 characters<br>Files: Approx. 15,000 characters<br>Service life of internal backup battery for data storage: About 5 years | Print data: Approx. 2,500 characters<br>Files: Approx. 7,500 characters<br>Service life of internal backup battery for data storage: About 5 years |
| Media cutting method | Automatic full - cutting, Automatic half - cutting | |
| Power supply | Exclusive AC Adapter ( Input voltage : AC 100V - 240V  50 / 60 Hz) | — |
| PC interface | USB2.0 Full - Speed, Exclusive PC Connection Kit( Included ) | — |
| Operating environment | 15° C - 32.5° C ( 59° F - 90.5° F ), 10% - 85% RH  Range is lowered to 5° C ( 41° F ) with Tube Warmer option installed. | |
| Storage environment | 5° C - 35° C  (41° F - 95° F), 10% - 90% RH | |
| Dimensions (W x D x H) | 250 x 300 x 85 mm ( 9.8 x 11.8 x 3.4 in. ) | |
| Weight | 2 kg ( 4.4 lb. ) ( printer only ) | |

### Print Media

| | | M-1Pro | M-1Std. |
|---|---|---|---|
| | Tube | PVC tube, $\varphi$ 2.5-6.5 mm, 0.5 mm thick<br>Tube attachment option is required.<br>( Other tubes should be tested for printing. ) | PVC tube, $\varphi$ 2.5 - 5.2 mm, 0.5 mm thick<br>Tube attachment option is required.<br>( Other tubes should be tested for printing.) |
| | Label Tape | Exclusive cassettes ( White, Yellow, Silver )<br>Widths :  6 mm,  9 mm,  12 mm,  Length 30 m ( Silver : 27 m )<br>Segment length can be set to 2 mm  through 150 mm. * | Exclusive cassettes (White, Yellow, Silver)<br>Widths: 6 mm, 9 mm, 12 mm, Length: 30 m ( Silver: 27 m )<br>Segment length can be set to 8 mm through 150 mm. |
| | Wrap Around Tape | Exclusive cassettes<br>Print area only : White, Other areas: Transparent<br>Take-up length : 8 m  Length : 33 mm<br>Width : 6 -150 mm ( depends on cut setting ) | Exclusive cassettes<br>Print area only : White, Other areas: Transparent<br>Take-up length: 8 m Length: 33 mm<br>Width: 8-150 mm ( depends on cut setting ) |
| | Marking Strip | Specified thickness : 0.5 mm<br>Plates of other thickness should be tested for printing.<br>Width : 8 mm, 8.5 mm, 9 mm, 9.5 mm, 10 mm<br>Plate Attachment option is required.<br>Manual cut only | — |
| | Heat Shrink Tube | Shrink tube $\varphi$ 3.0-6.4mm<br>Tube attachment option is required.<br>(Other tubes should be tested for printing.) | |
| | 4mm ID strip | 4mm ID strip Exclusive cassette ( White, Yellow )<br>Width 4mm, Length 5m, Segment length can be set to 8mm through 150mm. | |

\* If 1.3mm full-width or 2mm half-width character is specified for segment length of less than 3mm, text might be printed crossing over cutting line.

## Option

| Product Code Product Name | Compatible Printer |
|---|---|
| 3471A026 Tube Warmer Set | M-1Pro/M-1Std. |
| 3471A027 Tube Feeder Set | M-1Pro |
| 3471A032 Wrap Around Tape Guide | M-1Pro/ M-1Std. |
| 4013B001 Hard Case | M-1Pro/M-1Std. |
| 3476A044 Soft Case | M-1Pro/M-1Std. |
| 3471A033 Plate Attachment | M-1Pro |
| 3476A046 Tube Attachment | M-1Pro/M-1Std. |

## Consumables

| Product Code Product Name | Product Code Product Name |
|---|---|
| 3467B001 Ribbon Cassette Black  (100m) | 3476A042 Cutter Set |
| 3467B002 Ribbon Cassette White  (85m) | 3476A043 Cleaner Set for Tube Attachment and Tube Feeder |
| 3476A023 Label Tape Cassette6mm × 30m(White) | 3476A078 Cleaner Set for Plate Attachment |
| 3476A024 Label Tape Cassette9mm × 30m(White) | 3476A071 Cleaner Set for Tube Warmer |
| 3476A025 Label Tape Cassette12mm × 30m(White) | |
| 3476A026 Label Tape Cassette6mm × 30m(Yellow) | |
| 3476A027 Label Tape Cassette9mm × 30m(Yellow) | |
| 3476A028 Label Tape Cassette12mm × 30m(Yellow) | |
| 3476A068 Label Tape Cassette6mm × 27m(Silver) | |
| 3476A069 Label Tape Cassette9mm × 27m(Silver) | |
| 3476A070 Label Tape Cassette12mm × 27m(Silver) | |
| 3476A075 Wrap Around Tape33mm × 8m(White) | |
| 3476A035 4mm ID Stript 4mm × 5m (White) | |
| 3476A072 4mm ID Stript 4mm × 5m (Yellow) | |

Ribbon Cassette     Label Tape     Wrap Around Tape

**Caution!**
Before you use an Mk series printer, please read the instruction manual thoroughly. When you use the printer, obey all instructions in the manual. Always operate the printer with the power supply and voltage rating described in the manual for your country.

Specifications are subject to change without prior notice for product improvement.

## NiSCA Corporation

### CABLE ID PRINTER
# M-1Pro IV / M-1Std. III

## M-1 Cable ID Printer Meeting Various Needs for Marking at Work Sites

# Amazingly Fast, Easy, and Clear! Bring Tremendous Improvement in Work Efficiency!
## Various Features Helping You a Lot in Your Work

## Printing Speed 40mm/s

Best-in-class printing speed of 40 mm/s*
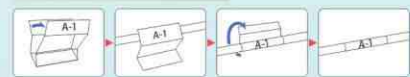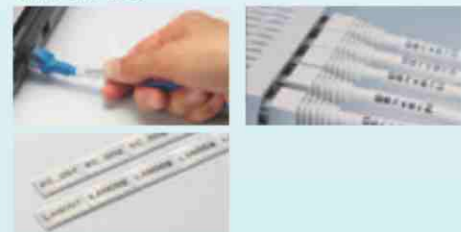The high-speed printing feature helps the site worker print characters on a lot of media.

● 60% Faster Printing Speed

| | |
|---|---|
| M-1ProIV | 40mm/sec |
| Existing model M-1ProIII | 25mm/sec |

0　10　20　30　40

* High speed mode of M-1ProIV

Print speed
　Low
　Mid
　High

## Printing Material

### Wrap Around Tape

Transparent laminate covers the printed surface – no need to worry about friction wearing away letters. Width:8-150mm. Length of printed text can vary according to different use.

Wrap the printed transparent laminate around the cable.

### 4mmID STRIP

By inserting a 4-mm ID strip in the sleeve attached on the cable, the cable marking can be changed without disconnecting the cable from the terminal. There is no risk of interfering with conduction and damaging the cable.
* Use commercially available sleeves.

Attach a sleeve on the cable and insert a printed 4-mm ID strip in it.

The marking can be changed simply by replacing 4-mm ID strip without turning the power off.

### Tubes

Direct printing on commercially available round tubes (inner diameter: 2.5 to 6.5 mm*) is possible. High-quality clear and crisp printing ensures high management e ciency.
* The M-1Std.III is compatible with 2.5 mm to 5.2 mm diameter cables.

### Label tapes

Characters can be printed on the labels to be a xed to the devices at distribution boxes. Characters can be printed from a minimum of 1.3 mm font size*, which is extremely useful for various applications at work sites.
* M-1Pro IV only

### Marking Strip

Using an optional plate attachment allows you to print characters on commercially available marking strips. The print length can be set to 2 mm through 150 mm and it can be adjusted in step of 0.01%. The created data can also be used for tube printing.
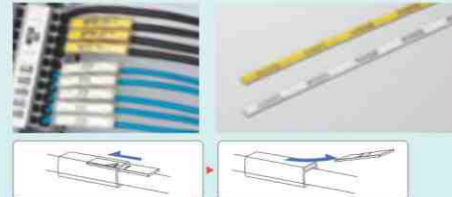* The actual adjustment value is an approximation of a multiple of 0.085 mm. Only M-1Pro IV supports this feature.
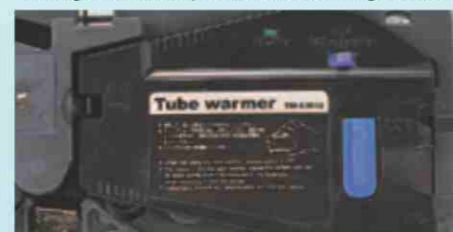
## CABLE ID PRINTER M-1 Pro IV

## Various options

### Clear Printing at Low Temperatures Tube Warmer

The tube warmer warms cold tubes before printing, ensuring clear printing in an extremely cold environment or in a cold room.
* Printing under low temperature down to 5°C is guaranteed.

Tube warmer

### Smooth Feeding of Tube Tube Feeder

The tube feeder steadily feeds a tube to the printer from the reel so that the tube does not get tangled.
* M-1Pro IV only

### Portable Hard Case Allowing You to Print without Uncasing the Printer

A dedicated hard case is available for handy carrying to the work site. It is made of aluminum and has superior impact resistance for use at poor footholds. In addition, you can print characters without taking the printer out of the case, ensuring smooth work.
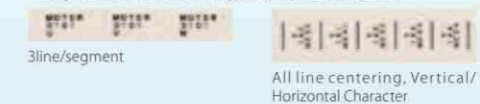
## Various Features

### Various Print Patterns

You can use various print features such as framing, selective character orientation, and underlining in addition to selective character size and pitch.

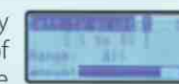Framing　　　　Horizontal/Horizontal Character

Vertical/Vertical Character

Moreover, M-1Pro IV supports additional features such as 3 lines/segment printing*, all line centering, and vertical/horizontal character printing.
* Only 1.3 mm (full-width) alphanumeric characters.

3line/segment

All line centering, Vertical/Horizontal Character

### Useful display to support your needs

The printer can display the type and amount of ribbon remaining in the ribbon cassette.

### Printing Up to Trailing Edge of Tube

The M-1 Series printers can print characters up to the edge of each tube to avoid tube waste. This contributes to long-term cost reduction.

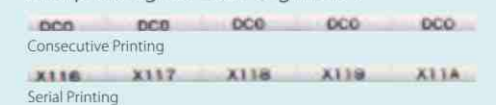### Automatic Cutting/Full-cut is also possible

Each segment is partially cut automatically as it prints. The segments are easily separated manually after they come out of the printer. The cutting operation for each job can be set for full-cut, half-cut, no cut with marking, or no cut without marking.

Half cuts can be manually separated easily.

### Consecutive/Serial Printing

M-1 Series printers can be set to print the same text on every segment (consecutive printing). Just enter the data and the number of segments required, then start the print. Or, M-1 Series printer can be set to print numbers that increment automatically as the segments print (serial printing). No need to do separate entries and printing for each segment!

Consecutive Printing

Serial Printing

### Print Length Adjustment

The print length can be adjusted in steps of 0.01%.
Precise pitch print on a medium requiring high-accuracy printing, such as a marking plate for terminal block, is available.

## Accessory Supplied with M-1ProIV

### The printer can be linked with PC through USB interface PC Connection Kit

Data can be sent from the PC to the printer, allowing you to create large quantities of data with ease. In addition to the existing original files, the printer can read CSV-format files. This feature greatly reduces the time required for field work.
* M-1Pro IV only

## Simple and Easy-to-Use Standard Model

Affordable Price
High-speed Printing at 25 mm/s

## CABLE ID PRINTER M-1 Std. III