

Barcode unit / V • barcode unit / H

If you install a barcode unit in the device, barcodes on paper can be read.

■ Barcode unit specifications

Barcode unit / V (vertical feeding)

Reading direction	Vertical feeding (bars are parallel to sheet feeding direction)
Codes	JAN/EAN/UPC (module 0.33 mm, 0.8 times~ 2 times) NW-7 CODE-39 CODE-128 ITF Industrial 2 of 5 COOP 2 of 5 * The unit can be set to read up to four kinds of codes.
Reading area	Sheet feeding direction: 10mm from the front edge of a sheet to 10mm from the rear edge of a sheet Paper width direction: ±30mm of 50-200mm from standard paper feeding edge.
Number of digits to be read	Maximum 32 digits (total number of digits to be read is 150 or less) (For CODE-128, a maximum of 64 digits if the starting character is CODE-C)
Number of labels to be read	Maximum 10 (1 sheet)
Label interval	15mm or more
<u>Barcode printing specifications</u>	
	<ul style="list-style-type: none"> • Length 60mm or less X height 10mm or more (For narrow bars with widths of 0.19mm or less, use coated labels less than 40mm long ※ 1) * Barcode length requires a quiet zone (margin) more than 2.54mm on both sides or 10 times the width of the narrow bar, whichever is bigger. • PCS: 0.7 or more (light-source wavelength: 633nm) • Bar width (narrow bar) 0.125-1mm * Bar:space ratio = 1:0.85-1.15 * Recommended N:W ratio = 1:2.5 * There should not be any bleeding, chipping, blank areas, etc. • Skew: ±5 degrees or less from the standard paper feeding edge. * If narrow bar width is 0.19mm or less, ±2 degrees or less.
Reading side	Read the top surface of a sheet as it is fed
Directions to adjust reading positions	Paper width direction: manually adjust the head position Sheet feeding direction: "Specifying reading start position mode" Use command to specify reading starting position from the front edge of a sheet and reading width for number of barcodes. "Whole area reading mode" Entire area of a sheet can be read. (Barcodes in all areas of the sheet-feeding direction can be read.) ※1 entire thickness of label sticking section is 0.25mm or less Label must not be floated and come off.

Barcode unit / H (horizontal feeding)

Reading direction	Horizontal feeding (bar direction is perpendicular to sheet feeding direction)
Codes	JAN/EAN/UPC (module 0.33 mm, 0.8 times~ 2 times) NW-7 ITF CODE-39 CODE-93 CODE-128 EAN-128

Reading area	Sheet feeding direction: 12mm from the front edge of a sheet to 65mm from the rear edge of a sheet Paper width direction: 20mm from timing mark size to 224mm (centered on the sensor)
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Number of digits to be read Maximum 48 digits

Number of labels to be read Maximum 10 (total number of digits to be read is 200 or less)

Label interval 40mm or more

Barcode printing specifications

- Height 10mm or more
 - * It requires a starting margin of 12mm or more, and an ending margin of 4 characters or more for a barcode.
- PCS: 0.7 or more
- Bar width (narrow bar) 0.125-2mm
 - * Bar:space ratio = 1:0.85-1.15
 - * Recommended N:W ratio = 1:2.5
 - * There should not be any bleeding, chipping, blank areas, etc.
- Skew: ± 3 degree or less from the standard paper feeding edge.
- Sticking label: ※ 1

Reading side Read the top surface of a sheet as it is fed

Directions to adjust reading positions

Paper width direction: manually adjust the head position

Sheet feeding direction:

"Specifying reading start position mode"

Use command to specify reading starting position from the front edge of a sheet (measurement: mm) and reading area for number of barcodes.

"Whole area reading mode"

Entire area of a sheet can be read.
(Barcodes in all areas of the sheet-feeding direction can be read.)

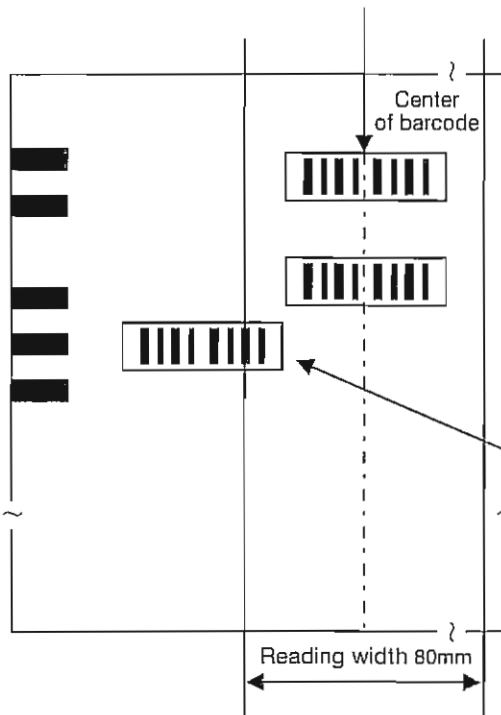
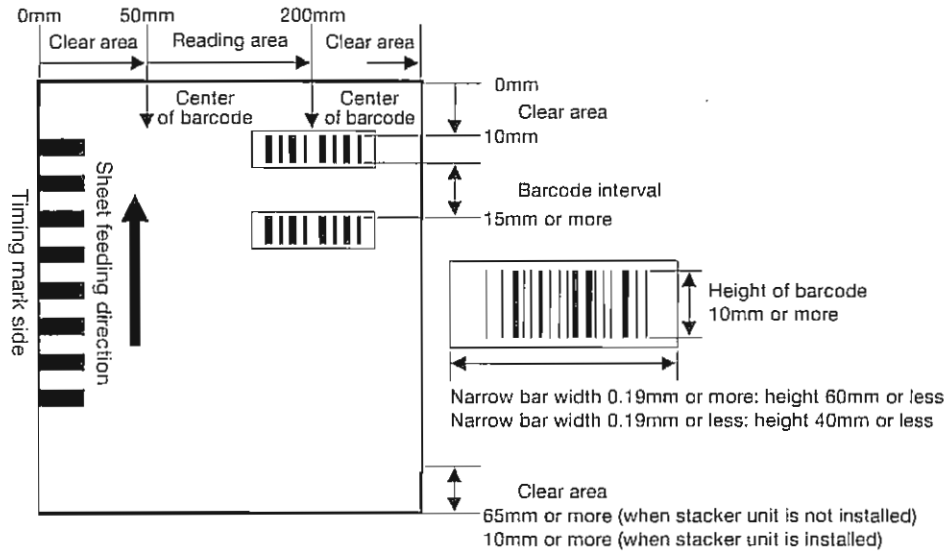
"SR9000 compatible mode"

Specify barcode reading starting position using timing mark ※1 entire thickness of label sticking section is 0.25mm or less
Label must not be floated and come off.

■ Barcode readable area

The barcode readable area differs depending on the kind of barcode unit.

1. Barcode unit / V (vertical feeding)



Note)
Adjust the barcode center when reading a number of sheets. In addition when it makes the barcode adjoin which is not read, do not make it go into reading area.

2. Barcode unit / H (horizontal feeding)

