

GS (k <Function 182>

[Models] TM-J2000 TM-J2100 TM-L90 TM-P20 TM-P60 TM-P60II TM-P80 TM-T20 TM-T20II TM-T70
TM-T70II TM-T82II TM-T88IV TM-T88V TM-T90 TM-U220 TM-U230

[Name] QR Code: Transmit the size information of the symbol data in the symbol storage area

[Format] ASCII GS (k ***pL pH cn fn m***
Hex 1D 28 6B 03 00 31 52 ***m***
Decimal 29 40 107 3 0 49 82 ***m***

[Range] (***pL*** + ***pH*** × 256) = 3
cn = 49
fn = 82
m = 48

[Description] Transmits the size information for the encoded QR Code symbol data in the symbol storage area using the process of <Function 180>.

[Notes] ■ In Standard mode, use this function when the printer is "at the beginning of a line," or "there is no data in the print buffer."
■ The size information for each data is as follows;

Send data	Hex	Decimal	Number of bytes
Header	37h	55	1 byte
Identifier	36h	54	1 byte
Horizontal size (*1)	30h – 39h	48 – 57	1 – 5 byte
Separator	1Fh	31	1 byte
Vertical size (*1)	30h – 39h	48 – 57	1 – 5 byte
Separator	1Fh	31	1 byte
Fixed value	31h	49	1 byte
Separator	1Fh	31	1 byte
Other information (*2)	30h or 31h	48 or 49	1 byte
NUL	00h	0	1 byte

(*1) "Horizontal size" and "vertical size" indicate the number of dots of the symbol. The decimal value of the vertical size and horizontal size is converted to text data and sent starting from the high order end.

(ex: When horizontal size is 120 dots, horizontal size is "120" (in hexadecimal: 31h, 32h, and 30h / in decimal: 49, 50, and 48), which is 3 bytes of data.)

(*2) "Other information" indicates whether printing of the data in the symbol storage area is possible or impossible. The "Other information" is the following.

Other information		Condition
Hex	Decimal	
30h	48	Printing is possible
31h	49	Printing is impossible

- Size information indicates size of symbol that is printed by [Function 181](#).
- The quiet zone is not included in the size information.
- If "other information" is "Printing is impossible" (in decimal: 49), use one of the following solutions:

Cause	Solution
There are data in the print buffer in the Standard mode	Put the printer in the "there is no data in the print buffer" status by executing GS T or print commands (LF , CR , ESC J).
Symbol is bigger than the current print area.	Expand the print area by GS W , ESC W , ESC \$. Reduce the module size by Function 167 . Lower the error correction level by Function 169 .
The data in the symbol storage area is too large.	Send correct data by Function 180 . Select other model by Function 165 . Lower the error correction level by Function 169 .
There is no data in the symbol storage area.	Send data to the symbol storage area by Function 180 .

- See [\[Notes for transmission process\]](#) for process sending data group.

TM-P60:

Only the Peeler model supports this command.