

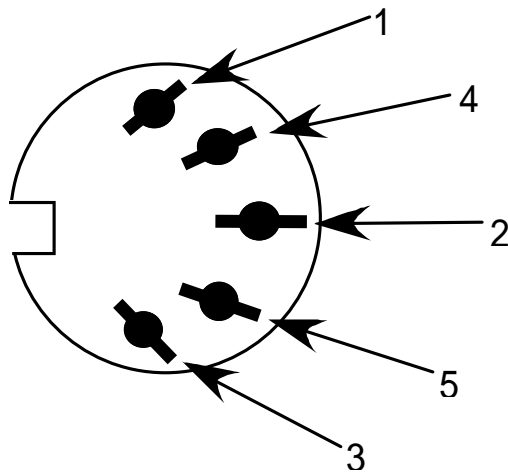
**PRINTER OUTPUT  
FOR GZ /GZH SERIES**

**VIBRA**

# 1.FUNCTIONS OF TERMINALS

Terminal	Signal	Output/Input	Functions
1			
2			
3			
4	TXD	Output	Transmission Data
5	SG		Signal Ground

Applicable connector : TCP0556-715267 (Hoshiden) included.





- (3) Six-digit numeric format for model provided with an auxiliary scale interval  
 Composed of 15 characters, including the terminators (CR=0DH, LF=0AH), with “/” added to the left of the auxiliary-scale-interval place.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
P1	D1	D2	D3	D4	D5	D6	D7	D8	U1	U2	S1	S2	CR	LF

- (4) Seven-digit numeric format for model provided with an auxiliary scale interval  
 Composed of 16 characters, including the terminators (CR=0DH, LF=0AH), with “/” added to the left of the auxiliary-scale-interval place.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
P1	D1	D2	D3	D4	D5	D6	D7	D8	D9	U1	U2	S1	S2	CR	LF

### 3.1 Polarities (P1: one character)

P1	Code	Description
+	2BH	When data is zero or positive
-	2DH	When data is negative
(SP)	20H	When data is zero or positive

### 3.2 Numeric data

Six-digit numeric format: (D1–D7: seven characters)

Seven-digit numeric format: (D1–D8: eight characters)

Six-digit numeric format for model provided with an auxiliary scale interval:

(8 characters, from D1 to D8)

Seven-digit numeric format for model provided with an auxiliary scale interval:

(9 characters, from D1 to D9)

D1–D7 (D8)	Code	Description
0–9	30H–39H	Numerical value 0–9
.	2EH	Decimal point (floating position) When the data is an integer, it may be omitted and replaced with a blank space (SP) in the lowest-order place.
(SP)	20H	Space: zero of leading portion of value (leading zero suppress)
/	2FH	Delimiter to be inserted to the left of the auxiliary-scale-interval place

### 3.3 Units (U1, U2: two characters)

All the codes are ASCII codes.

U1	U2	Meaning	Balance indicators
K	G	Kilogram	kg
P	C	Pieces	Pcs
(SP)	G	Gram	g
(SP)	T	ton	t

### 3.4 Result of judgment when operating the balance with the limit function

(S1: one character)

S1	Code	Description
L	4CH	LO (LOW)
G	47H	OK (GOOD)
H	48H	HI (HIGH)
(SP)	20H	No limit value specified
T	54H	Total value

### 3.5 Status (S2: one character)

S2	Code	Description
S	53H	Data stable
U	55H	Data unstable
E	45H	Data error (data other than S2 is invalid.) [ $\sigma - \bar{E} r r$ ], [ $\mu - \bar{E} r r$ ]
(SP)	20H	No status specified

## 4.SETTING OF BALANCE FUNCTION

Output format, Output control, Transmission speed and parity bit are selectable by setting balance functions. The contents are as in the following table. As to setting operation, refer to operation manual of the balance.

Displayed when [5] *1F* [ ] is set to [1] or [2]

Item	Set Value	Description
Output Control	<i>5 1 O.C.</i>	0 Stop output
		1 Output continuous at all times
		2 Output continuous if stable (stop output if unstable)
		3 Outputs once by pressing <b>Set</b> key (irrespective of whether stable).
		4 Outputs once if stable. Outputs if the balance is stable when a sample is loaded after the preceding sample has been removed and the balance indicated zero, or less.
		5 Outputs once if stable, and stops output when unstable. Even if the sample is not replaced, the balance is output once when it stabilizes next time (including the zero indication).
		6 Outputs once if stable, and outputs continuously when unstable. Even if the sample is not replaced, output of the balance stops when it stabilizes after being output once.
		7 Pressing <b>Set</b> key causes the balance to output once when stable.
Baud Rate	<i>5 2 b.L.</i>	1 1200 bps
		2 2400 bps
		3 4800 bps
Parity	<i>5 3 P.R.</i>	0 None
		1 Odd
		2 Even

The data interval in continuous output mode is 0.1 to 1 second. (The interval varies depending on weighing conditions and other factors.)