point and press the RESET switch. When resetting is made in MAX, MIN or R mode, the display shows 0.0000 and measurement begins from this point. The initial maximum and minimum values for MAX, MIN and R modes are the value displayed when MAX mode is first entered from the normal mode.

(In the example at left, initial values are set to +1.2345.)

3.5 OUTPUT SPECIFICATIONS

The DC-525/525H has a serial connector that allows output to be sent to a printer.

(1) Connector Connection

Remove the protective cap from the square hole and insert the connector of the signal cable from the printer into place.

Always switch the power off first, before making the connection.

When output is not required, always keep the connector covered with the protective cap to prevent dust from entering the unit.

(When the cap has been removed, it can be passed over the spindle cap to keep it handy.)

Viewed from the front side

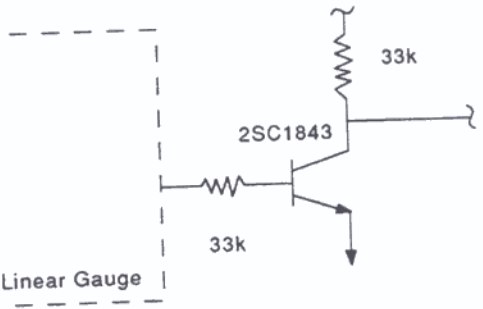
PIN NUMBER	1	2	3	4	5
OUTPUT SIGNAL	SIGNAL COMMON	CLOCK	DATA	RESET	MODE

(2) Output Signal Electrical Characteristics

All output signals are generated by CMOS devices (1 LS TTL load drive capacity)

HIGH ··· $V_{OH} > 4.0V$ ($VCC = 4.5V$, $I_{OH} = -10\mu A$)

LOW ··· $V_{OL} < 0.4V$ ($VCC = 4.5V$, $I_{OL} = 1.8mA$)



- Main unit connector: 008283-0511-00000 (Manufacturer: Elco (Japan))
- Appropriate connector:60-8283-3058-15001 (Manufacturer: Elco (Japan))

(3) Output Signal Description

Signal Common (Pin No.1) :
Common line for all signal lines

Clock (Pin No.2) :
Timing clock for output of four-bit data

Frequency: Approx. 125kHz (refer to the timing diagram)

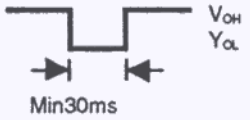
Data (Pin No.3) :
As shown in the table below, one data value is output in 12 steps, each step consisting of four bits.

Step	Name	2^3	2^2	2^1	2^0	Description
1	F_H	1	1	1	1	Step 1is indicated by F^H
2	E_H	1	1	1	1	E^Hindicated that the value is the 6th
3	10^5digit data	2^3	2^2	2^1	2^0	6th digit (10^5)of linear gauge LCD is output
4	10^4digit data	2^3	2^2	2^1	2^0	5th digit (10^4)of linear gauge LCD is output
5	10^3digit data	2^3	2^2	2^1	2^0	4th digit (10^3)of linear gauge LCD is output
6	10^2digit data	2^3	2^2	2^1	2^0	3rd digit (10^2)of linear gauge LCD is output
7	10^1digit data	2^3	2^2	2^1	2^0	2nd digit (10^1)of linear gauge LCD is output
8	10^0digit data	2^3	2^2	2^1	2^0	1st digit (10^0)of linear gauge LCD is output
9	Decimal Point	0	0	0		123456.
		0	0	1		12345.6
		0	1	1		1234.56
		0	1	0		123.456
		1	0	1		12.3456
		1	0	0		1.23456
		1	1	1		.123456
	Sign				0	+ sign
					1	– sign
10	Unit	0	0	0	0	No Unit
		0	0	0	1	m/s
		0	0	1	0	inch/s
		0	0	1	1	rps
		0	1	0	0	rpm
		0	1	0	1	inch
		0	1	1	0	mm
11	Not use		x			Not used
	MAX			Max		High for maximum display
	MIN				Min	High for minimum display
12	END	0	0	0	0	End for output of one value

Reset (Pin No.4) :

When the RESET switch is pressed, output is LOW. Pin No.1. is signal common.

• RESET switch ON

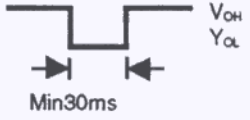


Mode (Pin No. 5) :

When the MODE switch is pressed, output is LOW.

Pin No.1.is signal common.

• MODE switch ON



(4) Timing Diagram