b. When RESET key is pressed after removal of the cause of alarm, the message display and the alarm state can be cleared.

Sample Program

```
#3000 = 550 (MACRO ERROR: DATA OVER-
            FLOW)
```

E. Clock (#3001, #3002)

When system variable #3001 or #3002 for clock is specified, the clock can be read.

System Variable	Type	Unit	At Power-On	Count Condition
#3001	Clock 1	1 ms	Reset to "0"	Always
#3002	Clock 2	1 s	Same as power-off time	When STL signal is on

To preset the clock, cubstitute the value with this system variable put at the left-hand of the expression.

Sample Program

```
#3001 = 0 ; ... The clock is preset to value "0."
```

Restrictions

a. The accuracy of clock 1 is 8 ms. When 4294968000 msec has been reached, an overflow occurs, setting the clock to "0."

b. The accuracy of clock 2 is 8 ms. When 429496800 sec has been reached, an overflow occurs, setting the clock to "0."

Sample Program

Main Program

```
G65 P9351 A5 ;
```

Argument designation of variable #1

... Macro to wait for 5 seconds

Macro Program

```
O9351 ;
#3002 = 0 ;
WHILE [#3002 TE #1] DO1 ;
END 1 ;
M99 ;
```

F. Single Block Stop and Auxiliary Function Completion Wait Control (#3003)

When the value listed in the following table is substituted in system variable #3003, the single block switch can be disabled or the next block may be entered without waiting for the checking of the finish signal (FIN) of the auxiliary function (MST).

When the finish signal is not waited for, the distribution end signal (DEN) is not transmitted. In this case, the FIN is waited for in the block with the check skip cleared. Hence, when the FIN is not waited for, be careful not to specify the next auxiliary function.

#3003	Single Block Switch	FIN Signal
0	Valid	Waited
1	Invalid	Waited
2	Valid	Not waited
3	Invalid	Not waited

G. Feed-Hold, Feedrate-Override, And Exact -Stop Control (#3004)

When the value listed in the following table is substituted in system variable #3004, feed hold, feedrate override, and exact stop can be made valid or invalid.

#3004	Feed Hold	Feedrate Override	Exact Stop
0	Valid	Valid	Valid
1	Invalid	Valid	Valid
2	Valid	Invalid	Valid
3	Invalid	Invalid	Valid
4	Valid	Valid	Invalid
5	Invalid	Valid	Invalid
6	Valid	Invalid	Invalid
7	Invalid	Invalid	Invalid