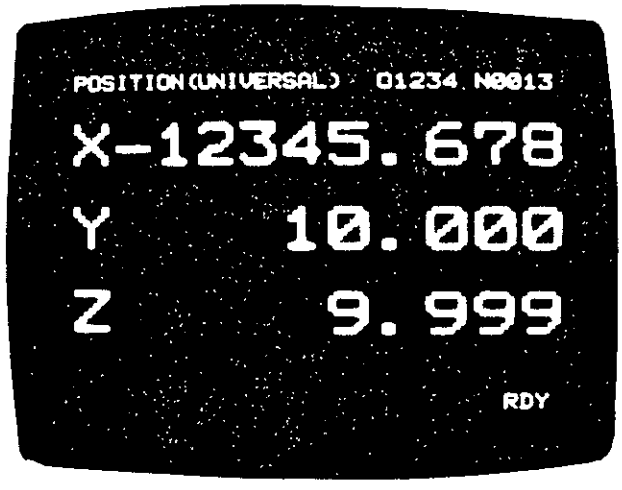

Fig. 4.20 Current Position Display (Universal)-Example

· When parameter #6005$_{D5}$ = 0 (Position obtained by simple summation)

1. G92, even if issued, does not affect the display. Move commands will be summed and displayed.

2. To reset this screen, depress the ORG key after designating an axis with the ADDRESS key. The current position along the designated axis will be reset to "0."
This is possible in any modes and even during operation.

4.3.4.2 CURRENT POSITION DISPLAY (EXTERNAL): POSITION (EXTERNAL)

· Move commands will be summed and displayed. G92, if issued, does not affect the display.

To reset this screen, depress the ORG key after designating an axis with the ADDRESS key. The current position along the designated axis will be reset to "0." This is possible in any modes and even during operation.

These displaying and resetting operations are the same as with the case of POSITION(UNIVERSAL) #6005$_{D5}$ = 0 (Position obtained by simple summation). But the resetting operation is effective only to the displayed screen since there are independent position registers.

The data displayed in this mode are the same as those displayed on the "3-axis/4-axis external position display" (option). You may consider that the coordinate data of POSITION (EXTERNAL) are transmitted to the outside as they are unchanged.

Fig. 4.21 Current Position Display (External)-Example (with 4-axis control)

4.3.4.3 CURRENT POSITION DISPLAY (INCREMENT): POSITION [INCREMENT]

Displayed in this mode are:

· In automatic mode, distance to the end point of the block at every moment

· In manual mode, distance to the position where manual operation is to start.

The increment display in manual mode will be cancelled in automatic mode. (Fig. 4.3.4.3)

4.3.4.4 CURRENT POSITION DISPLAY (ALL): POSITION

· All position data will be displayed.

· 〈MACHINE〉 coordinates indicate the current position in the coordinate system whose origin is the reference point set up by resetting. Data for "stored stroke limit^{+}" and "pitch error compensation^{+}" functions are defined in this coordinate system. (Fig. 4.3.4.4)