

## 5.1.6 Operation in Monitor Mode

The monitor mode allows the reference values input into the servo drive, I/O signal status, and servo drive internal status to be monitored.

### ■ Using the Monitor Mode

The example below shows how to display the value (1500) stored in Un001.

1. Press MODE key to select the monitor mode.



2. Press the INC or DEC key to select the monitor number to display.



3. Press the ENTER key to display the data for the monitor number selected at step 2.



4. Press the ENTER key once more to return to the monitor number display.



■ List of Monitor Modes

Contents of Monitor Mode Display

Monitor Number	Monitor Display	
Un000	Actual servomotor speed Unit: rpm	
Un001	Input speed reference Unit: rpm	
Un002	Input torque reference Unit: % (with respect to rated torque)	
Un003	Internal torque reference Unit: % (with respect to rated torque)	
Un004	Number of encoder rotation angle pulses	
Un005	Input signal monitor	→
Un006	Encoder signal monitor	→
Un007	Output signal monitor	→
Un008	Frequency given by pulse Unit: 1kHz	
Un009	Number of servomotor rotation pulses	
Un010	Pulse rate of servomotor rotated (x10 <sup>4</sup> )	
Un011	Error pulse counter lower 16 digit	
Un012	Error pulse counter higher 16 digit	
Un013	Number of pulses given	
Un014	Number of pulses given (x10000)	
Un015	Load inertia percentage	
Un016	Servomotor overload ratio	
Un017	Servomotor winding temperature	Only used in ProNet-7.5kW~22kW when equipped with resolver.
Un018	Encoder EEPROM saves motor and encoder types and correlation information	
Un019	Reserve	
Un020	Reserve	
Un021	Nikon Encode internal Temperature (unit: °C)	

Internal status bit display

7 6 5 4 3 2 1 0

