

Data Output Formats of Torque Checking Device

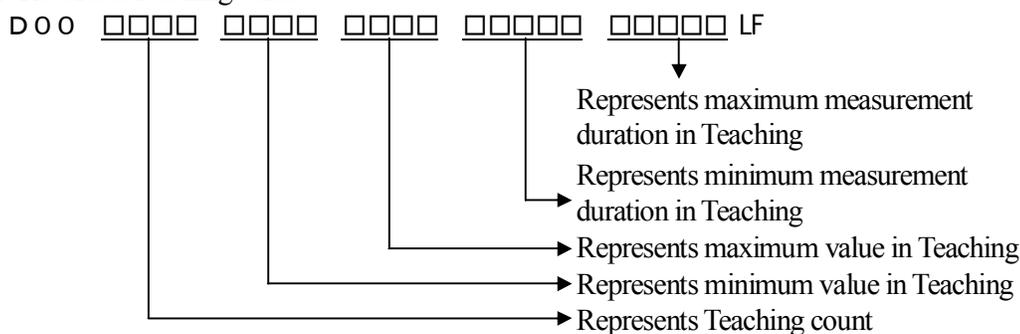
1. Output of Check Data

Check data is outputted in the following three formats for each measurement, in the order shown.

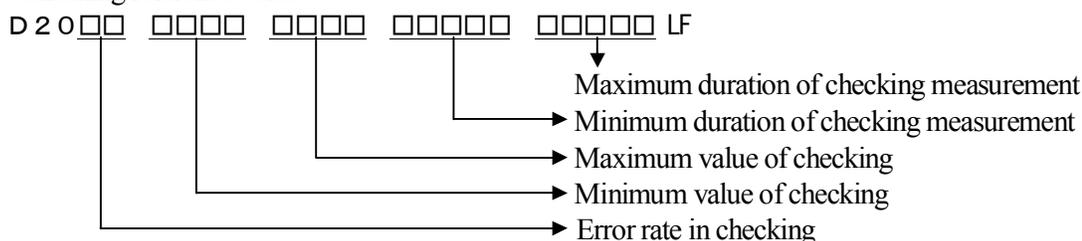
① Measurement data



② Recorded Teaching values



③ Checking reference values



2. Error-related Outputs

① Measurement value zero region detection error	E 9 0
② Measurement duration anomaly	E 9 1
③ Ended due to insufficient teaching and impossibility of checking	E 9 2
④ L.NG measurement	E 9 3
⑤ H.NG measurement	E 9 4

3. Measurement Checking Outputs

① GOOD measurement	E 0 0
② Low OK (L.G) measurement	E 0 1
③ High OK (H.G) measurement	E 0 2

4. When Power Supply Starts

After version information, sets zero point.

Messages outputted at this time are as follows. These are for debugging and do not directly relate to measurement.

Ver2.18 2005/04/19

- [Setting zero A/D=FC7 Gain=3A8]
- [Setting zero A/D=7FD Gain=3A9]
- [Setting zero A/D=7FF Gain=3A8]
- [Setting zero A/D=7FD Gain=3A9]
- [Setting zero A/D=7FF Gain=3A8]
- [Zero setting complete A/D=7FE Gain=3A8]

### 5. Example of Messages when Measurement is OK

The outputted messages are basically divided into operation confirmation messages and measurement data.

[Job Num = 4] S00 [Lever SW ON] [Job Num = 6] S02 [Over-torque ON]	_____	Operation confirmation messages for debugging
D10026900668 D000005026903150033701891 D2002026303210033001928	_____	Measurement data
M21[Check=LOW OK] E01 Check complete	_____	Operation confirmation messages for debugging

### 6. When an Anomaly Occurs

Shows conditions when test results include an anomaly.

[Job Num = 4] S00 [Lever SW ON] [Job Num = 6] S02 [Over-torque ON]	_____	Operation confirmation messages for debugging
D10028600590 D000006-0096-0001-0000101894 D2002-14051309-0131201931	_____	Measurement data
[Measurement duration anomaly ends] E91	_____	Operation confirmation messages for debugging

### 7. Communication Settings

Settings for RS232C communication are as follows.

- ① Communication rate ..... 4800 bps.
- ② Start bit ..... 1 bit
- ③ Stop bit ..... 1 bit
- ④ Data length ..... 8 bits
- ⑤ Data format ..... ASCII