



INSTRUCTION MANUAL

E4A FILE FORMAT

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NOTATIONS USED IN THE INSTRUCTION MANUAL

INFORMATIONAL NOTES

Certain notations are used as necessary to attract your attention to information that requires special care when handling the E4A file format, and to information provided for reference purposes.

Examples of Notations

NOTE

Essential precautions required when handling the E4A file format.

MEMO

Reference items required when handling the E4A file format.

1. INTRODUCTION

A file with an extension E4A is a CAN data file that was recorded by a Multi-channel CAN card ECAN-40A, a GPS/Multi-channel CAN card EGPC-40A, and a GPS/Multi-channel CAN card EGPC-50A.

The file is described by an E4A file format (hereinafter referred to as the E4A format). This Instruction Manual describes the E4A file format structure.

1.1. DATA TYPE

The E4A format is using the following data types.

In addition, all data is stored in little endian format. For details, refer to the explanation of items.

Data type	The number of bytes
char	1
BYTE(unsigned char)	1
short	2
WORD(unsigned short)	2
long	4
DWORD(unsigned long)	4
float	4
double	8
INT64	8
UINT64(unsigned INT64)	8

1.2. E4A FORMAT FILE STRUCTURE

The E4A format file is largely classified into 3 structures.

1) Fixed length header section (960 bytes fixed)
2) Variable length header section
3) Data section

1) Variable length header section

Stores information on overall data files, information required for loading data thereafter, and CAN trigger conditions.

2) Variable length header section

Stores communication conditions, Node information, ID information, and channel conditions.

3) Data section

Stores recorded CAN data.

2. FIXED LENGTH HEADER SECTION

Stores information on overall data files, information required for loading data thereafter, and CAN trigger conditions.

2.1. GENERAL INFORMATION

Stores information on overall data files and information required for loading data thereafter.

Classification	No.	Contents and range	Data type	Bytes
General Information 256 bytes	1-1	Device ID Example) EDX-200A	char	20
	1-2	File version Example) 01.00	char	12
	1-3	File title (up to 40 characters)	char	44
	1-4	Measurement start time (Year/month/day/hour/minute/second) Example) 20131206123456	char	16
	1-5	The number of recorded data	INT64	8
	1-6	Recording start counter value(*1) Counter value at the recording start point	UINT64	8
	1-7	Reserved	char	8
	1-8	Size of CAN trigger conditions section (704 bytes fixed)	WORD	2
	1-9	One condition size of communication conditions section (128 bytes fixed)	WORD	2
	1-10	The number of communication conditions (0 to 16)	WORD	2
	1-11	One information size of Node information section(64 bytes fixed)	WORD	2
	1-12	The number of Node information (0 to 4096)	WORD	2
	1-13	One information size of ID information section (80 bytes fixed)	WORD	2
	1-14	The number of ID information (0 to 4096)	WORD	2
	1-15	One condition size of channel conditions section (96 bytes fixed)	WORD	2
	1-16	The number of channel conditions (0 to 4096)	WORD	2
	1-17	Single data size (24 bytes fixed)	WORD	2
	1-18	The number of ECAN overflow messages (*2)	DWORD	4
	1-19	Sampling frequency (1 to 100000 Hz)	DWORD	4
	1-20	Reserved	char	5
	1-21	CH cut method (0 : Start Bit + Bit Length, 1 : Start Position + End Position)	BYTE	1
	1-22	LSB/MSB (0 : LSB, 1 : MSB)	BYTE	1
	1-23	Reserved	char	1
	1-24	Created language Example) ja: Japanese, en-us: English	char	12
	1-25	KS2 User's Unit (8bytes 3items)	char	24
	1-26	Start trigger counter value (*1) Counter value at the start trigger point	UINT64	8
	1-27	End trigger counter value (*1) Counter value at the end trigger point	UINT64	8
	1-28	Reserved	char	52

(*1) Recording start counter value, start trigger counter value, and end trigger counter value
For details, see "5.1 ABOUT VARIOUS COUNTER VALUES."

(*2) The number of ECAN overflow messages

1 or more: Indicating that the ECAN overflow occurred while recording this file.

For the ECAN overflow, see "7-2-4 The number of CAN Messages that can be Received Per Second" in the "INSTRUCTION MANUAL EDX-200A FOR HARDWARE".

2.2. CAN TRIGGER CONDITIONS

Stores the CAN trigger conditions.

Classification	No.	Contents and range	Data type	Bytes
CAN trigger general conditions 16 bytes	2-1	Start CAN trigger mode 0: Not in use, 2: Analog trigger, 3: Digital trigger, 6: Complex trigger	BYTE	1
	2-2	End trigger 0: OFF, 1: ON	BYTE	1
	2-3	End CAN trigger mode 0: Not in use, 2: Analog trigger, 3: Digital trigger, 6: Complex trigger	BYTE	1
	2-4	Reserved	char	13
Analog trigger conditions 64 bytes	3-1	Start trigger channel (1 to 512)	WORD	2
	3-2	Start trigger slope (0: Up, 1: Down)	BYTE	1
	3-3	Reserved	char	1
	3-4	Start trigger level (physical value)	double	8
	3-5	Reserved	char	20
	3-6	End trigger channel (1 to 512)	WORD	2
	3-7	End trigger slope (0: Up, 1: Down)	BYTE	1
	3-8	Reserved	char	1
	3-9	End trigger level (physical value)	double	8
	3-10	Reserved	char	20
Digital trigger conditions 16 bytes	4-1	Start trigger channel (1 to 512)	WORD	2
	4-2	Start trigger bit (1 to 64)	BYTE	1
	4-3	Start trigger level (0 or 1)	BYTE	1
	4-4	Reserved	char	4
	4-5	End trigger channel (1 to 512)	WORD	2
	4-6	End trigger bit (1 to 64)	BYTE	1
	4-7	End trigger level (0 or 1)	BYTE	1
	4-8	Reserved	char	4
Start complex trigger conditions(in common) 32 bytes	5-1	Start AND/OR setting 1 (0: OR, 1: AND) Set AND/OR settings of start complex trigger condition 1 and start complex trigger condition 2.	BYTE	1
	5-2	Start AND/OR setting 2(0: OR, 1: AND) Set AND/OR settings of start complex trigger condition 3 and start complex trigger condition 4.	BYTE	1
	5-3	Start AND/OR setting 3 (0: OR, 1: AND) Set AND/OR settings of start AND/OR setting 1 and start AND/OR setting 2.	BYTE	1
	5-4	Reserved	char	29
Start complex trigger condition 1 64 bytes	6-1	Start trigger condition 1 (0:Not in use, 1: Analog, 2: Digital)	BYTE	1
	6-2	Start analog trigger slope 1 (0: Up, 1: Down)	BYTE	1
	6-3	Start trigger channel 1 (1 to 512)	WORD	2
	6-4	Start trigger level 1 (physical value)	double	8
	6-5	Start digital bit level 1 (*3) (0 or 1)	UINT64	8
	6-6	Start digital bit status 1 (*3) (0: Invalid, 1:Valid)	UINT64	8
	6-7	Reserved	char	36

[From the previous page]

Classification	No.	Contents and range	Data type	Bytes
Start complex trigger condition 2 64 bytes	7-1-7-7	Ditto		
Start complex trigger condition 3 64 bytes	8-1-8-7	Ditto		
Start complex trigger condition 4 64 bytes	9-1-9-7	Ditto		
End complex trigger conditions(in common) 32 bytes	10-1	End AND/OR setting 1 (0: OR, 2: AND) Set AND/OR settings of end complex trigger condition 1 and end complex trigger condition 2.	BYTE	1
	10-2	End AND/OR setting 2 (0: OR, 2: AND) Set AND/OR settings of end complex trigger condition 3 and end complex trigger condition 4.	BYTE	1
	10-3	End AND/OR setting 3 (0: OR, 2: AND) Set AND/OR settings of end AND/OR setting 1 and end AND/OR setting 2.	BYTE	1
	10-4	Reserved	char	29
End complex trigger condition 1 64 bytes	11-1	End trigger condition 1 (0:Not in use, 1: Analog, 2: Digital)	BYTE	1
	11-2	End analog trigger slope 1 (0: Up, 1: Down)	BYTE	1
	11-3	End trigger channel 1 (1 to 512)	WORD	2
	11-4	End trigger level 1 (physical value)	double	8
	11-5	End digital bit level 1 (*3) (0 or 1)	UINT64	8
	11-6	End digital bit status 1 (*3) (0: Invalid, 1:Valid)	UINT64	8
	11-7	Reserved	char	36
End complex trigger condition 2 64 bytes	12-1-12-7	Ditto		
End complex trigger condition 3 64 bytes	13-1-13-7	Ditto		
End complex trigger condition 4 64 bytes	14-1-14-7	Ditto		
Reserved 32 bytes	15-1	Reserved	char	32

(*3) Complex trigger conditions, start/end digital bit level, and start/end digital bit status

As described in the following examples, the Least Significant Bit (LSB) of the setting value is 1st bit and the Most Significant Bit (MSB) of the setting value is 64th bit.

Note that multiple bits cannot be registered at the same time.

Example) 3rd bit: 1 (Valid), trigger level: 1

Digital bit level: 0x0000000000000004

Digital bit status: 0x0000000000000004

Example) 3rd bit: 1 (Valid), trigger level: 0

Digital bit level: 0x0000000000000000

Digital bit status: 0x0000000000000004

3. VARIABLE LENGTH HEADER SECTION

The variable length header section includes 4 items; communication conditions, Node information, ID information, and channel conditions.

3.1. COMMUNICATION CONDITIONS

The communication condition stores data for the number of communication conditions, specified in the No.1-10 "The number of communication conditions" in the general information in the Fixed Length Header Section.

One condition size is 128 bytes. Up to 16 communication conditions items are stored in one data file.

A communication condition No. (0 to) is assigned to every data in the order in which they were written. A communication condition No. is specified in the No.18-*-1 "Communication condition No." in the ID information in the variable length header section.

Classification	No.	Contents and range	Data type	Bytes
Communication conditions (No. 0) 128 bytes	16-0-1	Model Example) ECAN-40A	char	20
	16-0-2	Communication standard (0 : High speed, 1 : Low speed)	BYTE	1
	16-0-3	Sample times (1, 3)	BYTE	1
	16-0-4	Re-synchronous jump width (1 to 4)	BYTE	1
	16-0-5	Reserved	char	1
	16-0-6	Communication speed Example) 1000 kbps	char	40
	16-0-7	Sample point Example) 85.0% (TSEG1: 16, TSEG2: 3, 40 MHz)	char	40
	16-0-8	Reserved	char	24
⋮				
Communication conditions (up to No. 15) 128 bytes	Ditto			

3.2. NODE INFORMATION

The Node information stores data for the number of Node information, specified in the No.1-12 "The number of Node information" in the general information in the Fixed Length Header Section.

One information size is 64 bytes. Up to 4096 Node information items are stored in one data file.

A Node information No. (0 to) is assigned to every data in the order in which they were written. A Node information No. is specified in the No.18-*-2 "Node information No." in the ID information in the variable length header section.

Classification	No.	Contents and range	Data type	Bytes
Node information (No. 0) 64 bytes	17-0-1	Node name (up to 40 characters)	char	44
	17-0-2	Reserved	char	20
⋮				
Node information (up to No. 4095) 64 bytes	Ditto			

3.3. ID INFORMATION

The ID information stores data for the number of ID information, specified in the No.1-14 "The number of ID information" in the general information in the Fixed Length Header Section.

One information size is 80 bytes. Up to 4096 ID information items are stored in one data file.

An ID information No. (0 to) is assigned to every data in the order in which they were written. An ID information No. is specified in the No.19-* -9 "ID information No." in the channel conditions in the variable length header section and No.20-* -1 "ID information No." in the data section.

Classification	No.	Contents and range	Data type	Bytes
ID information (No. 0) 80 bytes	18-0-1	Communication condition No. The measured communication condition No. (0 to the number of communication conditions -1)	WORD	2
	18-0-2	Node information No. The measured Node information No. (-1: None, 0 to the number of Node information -1)	short	2
	18-0-3	Setting ID No. Setting CAN-ID No.(1-)	WORD	2
	18-0-4	The number of channel (1-)	WORD	2
	18-0-5	Data length The number of enabled bytes in 8 bytes of the recorded data	BYTE	1
	18-0-6	Data frame format (0: Standard, 1: Extended)	BYTE	1
	18-0-7	Endian (0 : Little, 1 : Big)	BYTE	1
	18-0-8	LSB/MSB (0 : LSB, 1 : MSB)	BYTE	1
	18-0-9	EDX-ID No (0 to 7) 0: Master unit or stand-alone unit	BYTE	1
	18-0-10	Reserved	char	3
	18-0-11	Data frame ID	DWORD	4
	18-0-12	ID name (up to 40 characters)	char	44
	18-0-13	Reserved	char	16
⋮				
ID information (up to No. 4095) 80 bytes	Ditto			

3.4. CHANNEL CONDITIONS

The channel condition stores data for the number of channel conditions, specified in the No.1-16 "The number of channel conditions" in the general information in the Fixed Length Header Section.

One condition size is 96 bytes. Up to 4096 channel conditions items are stored in one data file.

Classification	No.	Contents and range	Data type	Bytes
Channel conditions (No. 0) 96 bytes	19-0-1	Start bit (0 to 63) Cutout start position	BYTE	1
	19-0-2	Bit length (1 to 64) Cutout data size	BYTE	1
	19-0-3	Data type (0:Signed, 1:Unsigned, 2:Float, 3:Double) Cutout data type	BYTE	1
	19-0-4	Unit No. (-1: Arbitrary unit, 0 to 62: Standard unit)	char	1
	19-0-5	Number of decimals (-1: Auto, 0 to 8)	char	1
	19-0-6	Endian (0 : Little, 1 : Big)	BYTE	1
	19-0-7	LSB/MSB (0 : LSB, 1 : MSB(Big Endian Only))	BYTE	1
	19-0-8	EDX-ID No (0 to 7) 0: Master unit or stand-alone unit	BYTE	1
	19-0-9	ID information No. 0 to (The number of ID information -1)	WORD	2
	19-0-10	CAN-CH No. Corresponding to the pre-set CAN-CH No.	WORD	2
	19-0-11	Unit character string Example) kgf/mm2 Up to 7 characters.	char	10
	19-0-12	Reserved	char	2
	19-0-13	CAL coefficient (*1)	double	8
	19-0-14	Offset (*1)	double	8
	19-0-15	Channel name (up to 40 characters)	char	44
	19-0-16	Reserved	char	12
⋮				
Channel conditions (up to No. 4095) 96 bytes	Ditto			

(*1) CAL coefficient, offset

The multiplier (A) and additional value (B) for converting the cutout data into physical value.

Suppose the cutout data is X.

The physical value to be converted (Y) is $Y = AX + B$.

4. DATA SECTION

The data section stores data for the number of recorded data, specified in the No.1-5 "The number of recorded data" in the general information in the Fixed Length Header Section.

Only the data inputted into ECAN-40A, EGPC-40A and EGPC-50A is recorded. Therefore, every data has the ID information No., indicating the measured conditions, and Recorded counter value.

Classification	No.	Contents and range	Data type	Bytes
Single data (1st data) 24 bytes	20-0-1	ID information No. 0 to (The number of ID information -1)	WORD	2
	20-0-2	Reserved	char	2
	20-0-3	Recorded counter value (*2) Counter value of the data when recording.	UINT64	8
	20-0-4	Measured data The measured CAN data	BYTE	8
	20-0-5	Reserved	char	4
⋮				
Single data ("X"th data (*1)) 24 bytes	Ditto			

(*1) The No. 1-5, "The number of recorded data" in the General Information in the Fixed Length Header Section, is X.

(*2) Recorded counter value

For details, see "5.1.ABOUT VARIOUS COUNTER VALUES."

5. SUPPLEMENT MATERIAL

5.1. ABOUT VARIOUS COUNTER VALUES

The E4A format file includes the following 4 counter values.

- Recording start counter value: Counter value at the recording start point
- Start trigger counter value: Counter value at the start trigger point
- End trigger counter value: Counter value at the end trigger point
- Recorded counter value: Counter value of the data when recording.

Every counter value synchronizes with the sampling clock. The "Recording start counter value (Broad classification No. 0x12, Detailed classification No. 20)" in the KS2 format file also synchronizes with the sampling clock.

Counter values in the E4A format file and data in the KS2 format file are as follows.

Data and data positions are as follows.

Example) The sampling frequency is "1000 [Hz]".

KS2 format file	Recording start counter value: 6, The number of data: 15
E4A format file	Start trigger counter value: 8
E4A format file	End trigger counter value: 18
E4A format file	Recorded counter value in the first data: 10
E4A format file	Recorded counter value in the second data: 13
E4A format file	Recorded counter value in the third data: 19

Counter value	Time [sec] (*1)	KS2	E4A	Remarks
6	0.000	1st sampling data		Pre-trigger delay
7	0.001	2nd sampling data		Pre-trigger delay
8	0.002	3rd sampling data		Start trigger point
9	0.003	4th sampling data		
10	0.004	5th sampling data	1st data	
11	0.005	6th sampling data		
12	0.006	7th sampling data		
13	0.007	8th sampling data	2nd data	
14	0.008	9th sampling data		
15	0.009	10th sampling data		
16	0.010	11th sampling data		
17	0.011	12th sampling data		
18	0.012	13th sampling data		End trigger point
19	0.013	14th sampling data	3rd data	Post-trigger delay
20	0.014	15th sampling data		Post-trigger delay

(*1) When the sampling frequency is "1000 [Hz]", single sampling period is 0.001 [sec].

MEMO

After receiving multiple CAN data during single sampling period...

- When the multiple CAN data have the same ID information, the latest received CAN data will be recorded.
- When the multiple CAN data have different ID information, the multiple CAN data will be recorded. Note that multiple CAN data, having the same ID information, may exist since the same "Recorded counter value" attaches to every CAN data.

5.2. EXAMPLE OF E4A FORMAT FILES

This section describes the actual E4A format file in binary dump format.

The assumed conditions are as follows.

● GENERAL CONDITIONS

Model to be used		EDX-200A-4H		
Optional slot		ECAN-40A		
Sampling frequency		100 [Hz]		
Measuring mode		Complex Trigger		
Pre Start-trigger Delay		0.100[sec]		
Post End-trigger Delay		0.100[sec]		
Start ECAN trigger conditions	Trigger conditions		Analog trigger	
	Trigger channel		4	
	Trigger slope		0(UP)	
	Trigger level		25	
End ECAN trigger conditions	Trigger conditions		Complex trigger	
	AND/OR setting		Complex trigger condition 1 and Complex trigger condition 2: AND	
	Complex trigger condition No. 1	Trigger conditions		Analog trigger
		Trigger channel		1
		Trigger slope		0(UP)
		Trigger level		1000
	Complex trigger condition No. 2	Trigger conditions		Digital trigger
		Trigger channel		3
		Trigger bit		8
		Trigger level		1
	Complex trigger condition No. 3		Not in use	
	Complex trigger condition No. 4		Not in use	

● ECAN-40A, communication conditions

Port No.	Port No. 1	Port No. 2
Communication standard	High speed	Low speed
Communication speed	1000kbps	125kbps
Sample point	87.5%(TSEG1:13, TSEG2:2, 48MHz)	75.0%(TSEG1:11, TSEG2:4, 48MHz)
Sample times	1 time	1 time
Re-synchronous jump width	2	4

● ECAN-40A, measuring conditions

CAN-CH No.	CAN-CH1	CAN-CH2	CAN-CH3	CAN-CH4
Node Name	Node0	Node1	Node1	None
Port No.	1	1	1	2
ID name	Port1_ID0	Port1_ID1	Port1_ID1	Port2_ID0
Data frame format	Standard	Standard	Standard	Standard
Data frame ID	0x000	0x001	0x001	0x000
Data length	8	8	8	8
Channel name	ST_Sensor	ID_Sensor	V_Sensor	TC_Sensor
Start bit	0	48	0	0
Bit length	64	16	48	16
Data type	Unsigned	Unsigned	Unsigned	Unsigned
Endian	Little	Little	Little	Little
CAL coefficient	1.0	1.0	1.0	0.01
Offset	0.0	0.0	0.0	-25
Unit	με	ID (User unit)	V	°C
Number of decimals	Auto	0	Auto	1

■ E4A format file, dump window

● General information of Fixed Length Header Section

```

+0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +A +B +C +D +E +F 0123456789ABCDEF
000000 45 44 58 2D 32 30 30 41-00 00 00 00 00 00 00 00 EDX-200A.....
000010 00 00 00 00 30 31 2E 30-30 00 00 00 00 00 00 00 ....01.00.....
000020 45 34 41 5F 53 61 6D 70-6C 65 00 00 00 00 00 00 E4A_Sample.....
000030 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
000040 00 00 00 00 00 00 00 00-00 00 00 00 32 30 31 33 .....2013
000050 31 31 32 38 31 35 34 38-35 33 00 00 77 04 00 00 1128154853..w...
000060 00 00 00 00 83 08 00 00-00 00 00 00 00 00 00 00 .....
000070 00 00 00 00 C0 02 80 00-02 00 40 00 02 00 50 00 .....@...P.
000080 03 00 60 00 04 00 18 00-00 00 00 00 64 00 00 00 .....d...
000090 00 00 00 00 00 00 00 00-6A 61 00 00 00 00 00 00 .....ja.....
0000A0 00 00 00 00 41 42 43 00-00 00 00 00 49 44 00 00 ....ABC.....ID..
0000B0 00 00 00 00 00 00 00 00-00 00 00 00 8D 08 00 00 .....
0000C0 00 00 00 00 C0 0A 00 00-00 00 00 00 00 00 00 00 .....
0000D0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
0000E0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....
0000F0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 .....

```

Classification	Address range	Size	Setting contents	Setting value
General information 256 bytes	0x0000 to 0x0013	20	Device ID	“EDX-200A”
	0x0014 to 0x001F	12	File version	“01.00”
	0x0020 to 0x004B	44	File title	“E4A Sample”
	0x004C to 0x005B	16	Measurement start time	“20131128154853”
	0x005C to 0x0063	8	The number of recorded data	1143
	0x0064 to 0x006B	8	Recording start counter value	2179
	0x006C to 0x0073	8	Reserved	
	0x0074 to 0x0075	2	Size of CAN trigger conditions section	704
	0x0076 to 0x0077	2	Single data size of communication conditions section	128
	0x0078 to 0x0079	2	The number of communication conditions	2
	0x007A to 0x007B	2	Single data size of Node information section	64
	0x007C to 0x007D	2	The number of Node information	2
	0x007E to 0x007F	2	Single data size of ID information section	80
	0x0080 to 0x0081	2	The number of ID information	3
	0x0082 to 0x0083	2	Single data size of channel conditions section	96
	0x0084 to 0x0085	2	The number of channel conditions	4
	0x0086 to 0x0087	2	Single data size	24
	0x0088 to 0x008B	4	The number of ECAN overflow messages	0
	0x008C to 0x008F	4	Sampling frequency	100
	0x0090 to 0x0094	5	Reserved	
	0x0095	1	CH cut method	0(Start Bit + Bit Length)
	0x0096	1	LSB/MSB (0 : LSB, 1 : MSB)	0(LSB)
	0x0097	1	Reserved	
	0x0098 to 0x00A3	12	Created language	“ja”
	0x00A4 to 0x00BB	24	KS2 User's Unit	Not store
	0x00BC to 0x00C3	8	Start trigger counter value	2189
	0x00C4 to 0x00CB	8	End trigger counter value	2752
	0x00CC to 0x00FF	52	Reserved	

- CAN trigger conditions of Fixed Length Header Section (CAN trigger general conditions, analog trigger conditions, and digital trigger conditions)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000100	02	01	06	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000110	04	00	00	00	00	00	00	00-00	00	39	40	00	00	00	00	00	9@.....
000120	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000130	01	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000140	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000150	01	00	01	00	00	00	00	00-01	00	01	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
CAN trigger general conditions 16 bytes	0x0100	1	Start CAN trigger mode	2 (Analog trigger)
	0x0101	1	End trigger	1 (ON)
	0x0102	1	End CAN trigger mode	6 (Complex trigger)
	0x0103 to 0x010F	13	Reserved	
Analog trigger conditions 64 bytes	0x0110 to 0x0111	2	Start trigger channel	4
	0x0112	1	Start trigger slope	0 (UP)
	0x0113	1	Reserved	
	0x0114 to 0x011B	8	Start trigger level	25
	0x011C to 0x012F	20	Reserved	
	0x0130 to 0x0131	2	End trigger channel	1
	0x0132	1	End trigger slope	0
	0x0133	1	Reserved	
	0x0134 to 0x013B	8	End trigger level	0
	0x013C to 0x014F	20	Reserved	
Digital trigger conditions 16 bytes	0x0150 to 0x0151	2	Start trigger channel	1
	0x0152	1	Start trigger bit	1
	0x0153	1	Start trigger level	0
	0x0154 to 0x0157	4	Reserved	
	0x0158 to 0x0159	2	End trigger channel	1
	0x015A	1	End trigger bit	1
	0x015B	1	End trigger level	0
	0x015C to 0x015F	4	Reserved	

The shaded areas indicate measuring conditions not in use this time.

- CAN trigger conditions of Fixed Length Header Section (start complex trigger condition)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000160	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000170	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000180	00	00	01	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000190	00	00	00	00	01	00	00	00	00	00	00	00	00	00	00	00	.....
0001A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0001B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0001C0	00	00	01	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0001D0	00	00	00	00	01	00	00	00	00	00	00	00	00	00	00	00	.....
0001E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0001F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000200	00	00	01	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000210	00	00	00	00	01	00	00	00	00	00	00	00	00	00	00	00	.....
000220	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000230	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000240	00	00	01	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000250	00	00	00	00	01	00	00	00	00	00	00	00	00	00	00	00	.....
000260	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000270	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
Start complex trigger conditions (in common) 32 bytes	0x0160	1	Start AND/OR setting 1	0 (OR)
	0x0161	1	Start AND/OR setting 2	0 (OR)
	0x0162	1	Start AND/OR setting 3	0 (OR)
	0x0163 to 0x017F	29	Reserved	
Start complex trigger condition 1 64 bytes	0x0180	1	Start trigger condition	0 (Not in use)
	0x0181	1	Start analog trigger slope	0
	0x0182 to 0x0183	2	Start trigger channel	1
	0x0184 to 0x018B	8	Start trigger level	0
	0x018C to 0x0193	8	Start digital bit level	0
	0x0194 to 0x019B	8	Start digital bit status	1
	0x019C to 0x01BF	36	Reserved	
Start complex trigger condition 2 64 bytes	0x01C0	1	Start trigger condition	0 (Not in use)
	0x01C1	1	Start analog trigger slope	0
	0x01C2 to 0x01C3	2	Start trigger channel	1
	0x01C4 to 0x01CB	8	Start trigger level	0
	0x01CC to 0x01D3	8	Start digital bit level	0
	0x01D4 to 0x01DB	8	Start digital bit status	1
	0x01DC to 0x01FF	36	Reserved	
Start complex trigger condition 3 64 bytes	0x0200	1	Start trigger condition	0 (Not in use)
	0x0201	1	Start analog trigger slope	0
	0x0202 to 0x0203	2	Start trigger channel	1
	0x0204 to 0x020B	8	Start trigger level	0
	0x020C to 0x0213	8	Start digital bit level	0
	0x0214 to 0x021B	8	Start digital bit status	1
	0x021C to 0x023F	36	Reserved	
Start complex trigger condition 4 64 bytes	0x0240	1	Start trigger condition	0 (Not in use)
	0x0241	1	Start analog trigger slope	0
	0x0242 to 0x0243	2	Start trigger channel	1
	0x0244 to 0x024B	8	Start trigger level	0
	0x024C to 0x0253	8	Start digital bit level	0
	0x0254 to 0x025B	8	Start digital bit status	1
	0x025C to 0x027F	36	Reserved	

The shaded areas indicate measuring conditions not in use this time.

● CAN trigger conditions of Fixed Length Header Section (end complex trigger condition)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000280	01	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000290	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0002A0	01	00	01	00	00	00	00	00-00	40	8F	40	00	00	00	00	00	@.@.....
0002B0	00	00	00	00	01	00	00	00-00	00	00	00	00	00	00	00	00	.....
0002C0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0002D0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0002E0	02	00	03	00	00	00	00	00-00	00	00	00	80	00	00	00	00	.....
0002F0	00	00	00	00	80	00	00	00-00	00	00	00	00	00	00	00	00	.....
000300	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000310	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000320	00	00	01	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000330	00	00	00	00	01	00	00	00-00	00	00	00	00	00	00	00	00	.....
000340	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000350	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000360	00	00	01	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000370	00	00	00	00	01	00	00	00-00	00	00	00	00	00	00	00	00	.....
000380	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000390	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0003A0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0003B0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
End complex trigger conditions (in common) 32 bytes	0x0280	1	End AND/OR setting 1	1 (AND)
	0x0281	1	End AND/OR setting 2	0 (OR)
	0x0282	1	End AND/OR setting 3	0 (OR)
	0x0283 to 0x029F	29	Reserved	-
End complex trigger condition 1 64 bytes	0x02A0	1	End trigger condition	1 (Analog)
	0x02A1	1	End analog trigger slope	0 (UP)
	0x02A2 to 0x02A3	2	End trigger channel	1
	0x02A4 to 0x02AB	8	End trigger level	1000
	0x02AC to 0x02B3	8	End digital bit level	0
	0x02B4 to 0x02BB	8	End digital bit status	1
End complex trigger condition 2 64 bytes	0x02BC to 0x02DF	36	Reserved	-
	0x02E0	1	End trigger condition	2 (Digital)
	0x02E1	1	End analog trigger slope	0 (UP)
	0x02E2 to 0x02E3	2	End trigger channel	3
	0x02E4 to 0x02EB	8	End trigger level	0
	0x02EC to 0x02F3	8	End digital bit level	0x0000 0000 0000 0080
	0x02F4 to 0x02FB	8	End digital bit status	0x0000 0000 0000 0080
End complex trigger condition 3 64 bytes	0x02FC to 0x031F	36	Reserved	
	0x0320	1	End trigger condition	0 (Not in use)
	0x0321	1	End analog trigger slope	0
	0x0322 to 0x0323	2	End trigger channel	1
	0x0324 to 0x032B	8	End trigger level	0
	0x032C to 0x0333	8	End digital bit level	0
	0x0334 to 0x033B	8	End digital bit status	1
End complex trigger condition 4 64 bytes	0x033C to 0x035F	36	Reserved	
	0x0360	1	End trigger condition	0 (Not in use)
	0x0361	1	End analog trigger slope	0
	0x0362 to 0x0363	2	End trigger channel	1
	0x0364 to 0x036B	8	End trigger level	0
	0x036C to 0x0373	8	End digital bit level	0
	0x0374 to 0x037B	8	End digital bit status	1
Reserved 32 bytes	0x037C to 0x039F	36	Reserved	
	0x03A0 to 0x03BF	32	Reserved	

The shaded areas indicate measuring conditions not in use this time.

● Communication conditions of variable length header section

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
0003C0	45	43	41	4E	2D	34	30	41	00	00	00	00	00	00	00	00	ECAN-40A.....
0003D0	00	00	00	00	00	01	02	00	31	30	30	30	6B	62	70	73	1000kbps
0003E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0003F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000400	38	37	2E	35	25	20	28	54	53	45	47	31	3A	31	33	2C	87.5% (TSEG1:13,
000410	20	54	53	45	47	32	3A	32	2C	20	34	38	4D	48	7A	29	TSEG2:2, 48MHz)
000420	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000430	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000440	45	43	41	4E	2D	34	30	41	00	00	00	00	00	00	00	00	ECAN-40A.....
000450	00	00	00	00	01	01	04	00	31	32	35	6B	62	70	73	00	125kbps.
000460	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000470	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000480	37	35	2E	30	25	20	28	54	53	45	47	31	3A	31	31	2C	75.0% (TSEG1:11,
000490	20	54	53	45	47	32	3A	34	2C	20	34	38	4D	48	7A	29	TSEG2:4, 48MHz)
0004A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0004B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
Communication conditions (No. 0) 128 bytes	0x03C0 to 0x03D3	20	Model	“ECAN-40A”
	0x03D4	1	Communication standard	0 (High speed)
	0x03D5	1	Sample times	1
	0x03D6	1	Re-synchronous jump width	2
	0x03D7	1	Reserved	
	0x03D8 to 0x03FF	40	Communication speed	“1000kbps”
	0x0400 to 0x0427	40	Sample point	“87.5% (TSEG1:13, TSEG2:2, 48MHz)”
	0x0428 to 0x043F	24	Reserved	
Communication conditions (No. 1) 128 bytes	0x0440 to 0x0453	20	Model	“ECAN-40A”
	0x0454	1	Communication standard	1 (Low speed)
	0x0455	1	Sample times	1
	0x0456	1	Re-synchronous jump width	4
	0x0457	1	Reserved	
	0x0458 to 0x047F	40	Communication speed	“125kbps”
	0x0480 to 0x04A7	40	Sample point	“75.0% (TSEG1:11, TSEG2:4, 48MHz)”
	0x04A8 to 0x04BF	24	Reserved	

- Node information of variable length header section

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
0004C0	4E	6F	64	65	30	00	00	00-00	00	00	00	00	00	00	00	00	Node0.....
0004D0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0004E0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0004F0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000500	4E	6F	64	65	31	00	00	00-00	00	00	00	00	00	00	00	00	Node1.....
000510	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000520	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000530	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
Node information (No. 0) 64 bytes	0x04C0 to 0x04EB	44	Node Name	"Node0"
	0x04EC to 0x04FF	20	Reserved	
Node information (No. 1) 64 bytes	0x0500 to 0x052B	44	Node Name	"Node1"
	0x052C to 0x053F	20	Reserved	

- ID information of variable length header section (No. 0)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000540	00	00	00	00	01	00	01	00-08	00	00	00	00	00	00	00	00	.....
000550	00	00	00	00	50	6F	72	74-31	5F	49	44	30	00	00	00	00	Port1_ID0...
000560	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000570	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000580	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
ID information (No. 0) 80 bytes	0x0540 to 0x0541	2	Communication condition No.	0
	0x0542 to 0x0543	2	Node information No.	0
	0x0544 to 0x0545	2	Setting ID No .	1
	0x0546 to 0x0547	2	The number of channel	1
	0x0548	1	Data length	8
	0x0549	1	Data frame format	0 (Standard)
	0x054A	1	Endian	0(Little)
	0x054B	1	LSB/MSB	0(LSB)
	0x054C	1	EDX-ID No.	0
	0x054D to 0x054F	3	Reserved	
	0x0550 to 0x0553	4	Data Frame ID	0x000
	0x0554 to 0x057F	44	ID name	"Port1_ID0"
	0x0580 to 0x058F	16	Reserved	

- ID information of variable length header section (No. 1)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000590	00	00	01	00	02	00	02	00-08	00	00	00	00	00	00	00	00	.....
0005A0	01	00	00	00	50	6F	72	74-31	5F	49	44	31	00	00	00	00	Port1_ID1...
0005B0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0005C0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
0005D0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
ID information (No. 1) 80 bytes	0x0590 to 0x0591	2	Communication condition No.	0
	0x0592 to 0x0593	2	Node information No.	1
	0x0594 to 0x0595	2	Setting ID No .	2
	0x0596 to 0x0597	2	The number of channel	2
	0x0598	1	Data length	8
	0x0599	1	Data frame format	0 (Standard)
	0x059A	1	Endian	0(Little)
	0x059B	1	LSB/MSB	0(LSB)
	0x059C	1	EDX-ID No.	0
	0x059D to 0x059F	3	Reserved	
	0x05A0 to 0x05A3	4	Data Frame ID	0x001
	0x05A4 to 0x05CF	44	ID name	“Port1_ID1”
	0x05D0 to 0x05DF	16	Reserved	

- ID information of variable length header section (No. 2)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
0005E0	01	00	FF	FF	03	00	01	00-08	00	00	00	00	00	00	00	00	.....
0005F0	00	00	00	00	50	6F	72	74-32	5F	49	44	30	00	00	00	00	Port2_ID0...
000600	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000610	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....
000620	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
ID information (No. 2) 80 bytes	0x05E0 to 0x05E1	2	Communication condition No.	1
	0x05E2 to 0x05E3	2	Node information No.	-1 (None)
	0x05E4 to 0x05E5	2	Setting ID No .	3
	0x05E6 to 0x05E7	2	The number of channel	1
	0x05E8	1	Data length	8
	0x05E9	1	Data frame format	0 (Standard)
	0x05EA	1	Endian	0(Little)
	0x05EB	1	LSB/MSB	0(LSB)
	0x05EC	1	EDX-ID No.	0
	0x05ED to 0x05EF	3	Reserved	
	0x05F0 to 0x05F3	4	Data Frame ID	0x000
	0x05F4 to 0x061F	44	ID name	“Port2_ID0”
	0x0620 to 0x062F	16	Reserved	

- Channel conditions of variable length header section (No. 0)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000630	00	40	01	00	FF	00	00	00-00	00	01	00	83	CA	83	C3		.@.....?
000640	00	00	00	00	00	00	00	00-00	00	00	00	00	00	F0	3F		?
000650	00	00	00	00	00	00	00	00-53	54	5F	53	65	6E	73	6F		ST_Senso
000660	72	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		r.....
000670	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		.....
000680	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		.....

Classification	Address range	Size	Setting contents	Setting value
Channel conditions (No. 0) 96 bytes	0x0630	1	Start bit	0
	0x0631	1	Bit length	64
	0x0632	1	Data type	1(Unsigned)
	0x0633	1	Unit No.	0
	0x0634	1	Number of decimals	-1 (Auto)
	0x0635	1	Endian	0 (Little)
	0x0636	1	LSB/MSB	0 (LSB)
	0x0637	1	EDX-ID No.	0
	0x0638 to 0x0639	2	ID information No.	0
	0x063A to 0x063B	2	CAN-CH No.	1
	0x063C to 0x0645	10	Unit character string	“με”
	0x0646 to 0x0647	2	Reserved	
	0x0648 to 0x064F	8	CAL coefficient	1
	0x0650 to 0x0657	8	Offset	0
	0x0658 to 0x0683	44	Channel name	“ST_Sensor”
	0x0684 to 0x068F	12	Reserved	

- Channel conditions of variable length header section (No. 1)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000690	30	10	01	3D	00	00	00	00-01	00	02	00	49	44	00	00		0..=.....ID..
0006A0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	F0	3F		?
0006B0	00	00	00	00	00	00	00	00-49	44	5F	53	65	6E	73	6F		ID_Senso
0006C0	72	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		r.....
0006D0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		.....
0006E0	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00		.....

Classification	Address range	Size	Setting contents	Setting value
Channel conditions (No. 1) 96 bytes	0x0690	1	Start bit	48
	0x0691	1	Bit length	16
	0x0692	1	Data type	1(Unsigned)
	0x0693	1	Unit No.	61
	0x0694	1	Number of decimals	0
	0x0695	1	Endian	0 (Little)
	0x0696	1	LSB/MSB	0 (LSB)
	0x0697	1	EDX-ID No.	0
	0x0698 to 0x0699	2	ID information No.	1
	0x069A to 0x069B	2	CAN-CH No.	2
	0x069C to 0x06A5	10	Unit character string	“ID”
	0x06A6 to 0x06A7	2	Reserved	
	0x06A8 to 0x06AF	8	CAL coefficient	1
	0x06B0 to 0x06B7	8	Offset	0
	0x06B8 to 0x06E3	44	Channel name	“ID_Sensor”
	0x06E4 to 0x06EF	12	Reserved	

- Channel conditions of variable length header section (No. 2)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
0006F0	00	30	01	03	FF	00	00	00	01	00	03	00	56	00	00	00	.0.....V...
000700	00	00	00	00	00	00	00	00	00	00	00	00	00	00	F0	3F	?
000710	00	00	00	00	00	00	00	00	56	5F	53	65	6E	73	6F	72	V_Sensor
000720	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000730	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000740	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
Channel conditions (No. 2) 96 bytes	0x06F0	1	Start bit	0
	0x06F1	1	Bit length	48
	0x06F2	1	Data type	1(Unsigned)
	0x06F3	1	Unit No.	3
	0x06F4	1	Number of decimals	-1 (Auto)
	0x06F5	1	Endian	0 (Little)
	0x06F6	1	LSB/MSB	0 (LSB)
	0x06F7	1	EDX-ID No.	0
	0x06F8 to 0x06F9	2	ID information No.	1
	0x06FA to 0x06FB	2	CAN-CH No.	3
	0x06FC to 0x0705	10	Unit character string	“V”
	0x0706 to 0x0707	2	Reserved	
	0x0708 to 0x070F	8	CAL coefficient	1
	0x0710 to 0x0717	8	Offset	0
	0x0718 to 0x0743	44	Channel name	“V_Sensor”
	0x0744 to 0x074F	12	Reserved	

- Channel conditions of variable length header section (No. 3)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
000750	00	10	01	09	01	00	00	00	02	00	04	00	DF	43	00	00	C..
000760	00	00	00	00	00	00	00	00	7B	14	AE	47	E1	7A	84	3F	[.G.z.?
000770	00	00	00	00	00	00	39	C0	54	43	5F	53	65	6E	73	6F	9.TC_Senso
000780	72	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	r.....
000790	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0007A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

Classification	Address range	Size	Setting contents	Setting value
Channel conditions (No. 3) 96 bytes	0x0750	1	Start bit	0
	0x0751	1	Bit length	16
	0x0752	1	Data type	1(Unsigned)
	0x0753	1	Unit No.	9
	0x0754	1	Number of decimals	1
	0x0755	1	Endian	0 (Little)
	0x0756	1	LSB/MSB	0 (LSB)
	0x0757	1	EDX-ID No.	0
	0x0758 to 0x0759	2	ID information No.	2
	0x075A to 0x075B	2	CAN-CH No.	4
	0x075C to 0x0765	10	Unit character string	“ ° C”
	0x0766 to 0x0767	2	Reserved	
	0x0768 to 0x076F	8	CAL coefficient	0.01
	0x0770 to 0x0777	8	Offset	-25
	0x0778 to 0x07A3	44	Channel name	“TC_Sensor”
	0x07A4 to 0x07A4	12	Reserved	

● Data Section (first 4 data items only)

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F	0123456789ABCDEF
0007B0	00	00	00	00	83	08	00	00	00	00	00	00	10	0B	00	00	.....
0007C0	00	00	00	00	00	00	00	00	01	00	00	00	83	08	00	00	.....
0007D0	00	00	00	00	11	0B	00	00	00	00	01	00	00	00	00	00	.....
0007E0	00	00	00	00	84	08	00	00	00	00	00	00	18	0B	00	00	.....
0007F0	00	00	00	00	00	00	00	00	01	00	00	00	84	08	00	00	
000800	00	00	00	00	19	0B	00	00	00	01	00	00	00	00	00	00	

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Classification	Address range	Size	Setting contents	Setting value
1st data 24 bytes	0x07B0 to 0x07B1	2	ID information No.	0
	0x07B2 to 0x07B3	2	Reserved	
	0x07B4 to 0x07BB	8	Recorded counter value	2179
	0x07BC to 0x07C3	8	Measured data	10 0B 00 00 00 00 00 00
	0x07C4 to 0x07C7	4	Reserved	
2nd data 24 bytes	0x07C8 to 0x07C9	2	ID information No.	1
	0x07CA to 0x07CB	2	Reserved	
	0x07CC to 0x07D3	8	Recorded counter value	2179
	0x07D4 to 0x07DB	8	Measured data	11 0B 00 00 00 00 01 00
	0x07DC to 0x07DF	4	Reserved	
3rd data 24 bytes	0x07E0 to 0x07E1	2	ID information No.	0
	0x07E2 to 0x07E3	2	Reserved	
	0x07E4 to 0x07EB	8	Recorded counter value	2180
	0x07EC to 0x07F3	8	Measured data	18 0B 00 00 00 00 00 00
	0x07F4 to 0x07F7	4	Reserved	
4th data 24 bytes	0x07F8 to 0x07F9	2	ID information No.	1
	0x07FA to 0x07FB	2	Reserved	
	0x07FC to 0x0803	8	Recorded counter value	2180
	0x0804 to 0x080B	8	Measured data	19 0B 00 00 00 00 01 00
	0x080C to 0x080F	4	Reserved	

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6. UNIT NO.

A list of standard unit is shown below.

No.	Standard Unit System	
	Japanese	Other than Japanese
0	$\mu\epsilon$	um/m
1	ϵ	e
2	mV	
3	V	
4	mA	
5	A	
6	mm	
7	cm	
8	m	
9	$^{\circ}\text{C}$	degC
10	$^{\circ}\text{F}$	degF
11	gf/cm ²	
12	kgf/mm ²	
13	kgf/cm ²	
14	kgf/m ²	
15	mmHg	
16	kPa	
17	MPa	
18	g	
19	kg	
20	ton	
21	gf	
22	kgf	
23	tonf	
24	N	
25	kgf·mm	kgf.mm
26	kgf·cm	kgf.cm
27	kgf·m	kgf.m
28	Nm	Nm
29	Ω	OHM
30	k Ω	kOHM
31	M Ω	MOHM
32	%	
33	dB	
34	ppm	
35	cm/s	
36	m/s	
37	m/min	
38	km/h	
39	Hz	

No.	Standard Unit System	
	Japanese	Other than Japanese
40	kHz	
41	MHz	
42	$^{\circ}$	deg
43	deg	
44	rad	
45	kN	
46	kNm	
47	kW	
48	rpm	
49	cm/s ²	
50	m/s ²	
51	G	
52	daN	
53	mile/h	
54	*100kpa	
55	deg/s	
56	msec	
57	sec	
58	min	
59	hour	
60	(User1)	
61	(User2)	
62	(User3)	