

DATA FORMAT

B-Diag

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DATA FORMAT : Examination data part B-Diag (version:1-02-04)

1. Definition of TAG and fields in CSV file

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	The maximum number of the characters	Detail	Unit
[MAC_V]	Unit Software Version	-	6	MCPU software version	ASCII	6	Character string of MCPU software version Example: M.00	
				GCPU software version	ASCII	6	Character string of GCPU software version Example: G.00	
				LCA data version	ASCII	6	Character string of LCA data version Example: 00	
				INT data version	ASCII	6	Character string of INT data version Example: 00	
				POST data version	ASCII	6	Character string of POST data version Example: 00	
				NCPU software version	ASCII	6	Character string of NCPU software version Example: N.00	
[FMT]	Format Type in B-Diag	-	1	Format Name	ASCII	4	One of the character strings of [JPEG] or [ECHO]	
[RL]	L/R eye to be measured	-	1	Left or Right	ASCII	5	One of the character strings of [Left] or [Right]	
[PRB_TYP]	Probe Type	-	1	Probe Type	ASCII	10	One of the character strings of [B-Normal], [A-Anterior] or [B-UBM]	
[PRB_DRT]	Probe Direction	-	1	Probe Direction	ASCII	1	One of the character strings between [1] to [8] When you have no setup, it is blank.	
[FCS]	Focus	-	1	Focus Setting	ASCII		One of the character strings of [Middle], [Far] or [Near]	
[SCP]	Scope	-	1	Range of Image	ASCII	6	One of the character strings of [Normal] or [Wide]	
[FRT]	Frame Rate	-	1	Frame Rate Setting	ASCII	6	One of the character strings of [High] or [Low]	
[T_GAIN]	Total Gain	-	2	Value of Total Gain	ASCII	3	Unsigned integer, Value of Total Gain in the real time imaging	dB
				After freezing	ASCII	3	Signed integer, Value of Total Gain, after freezing	Steps
[CT]	Contrast	-	2	Value of Contrast	ASCII	3	Unsigned integer	dB
				After freezing	ASCII	3	Signed integer	Steps
[N_GAIN]	Near Gain	-	1	Near Gain	ASCII	3	Unsigned integer	dB
[F_GAIN]	Far Gain	-	1	Far Gain	ASCII	3	Unsigned integer	dB
[SMOOTH]	Smoothing	-	1	Smoothing	ASCII	3	One of the character strings of [ON] or [OFF]	
[SIZE]	Size of image	-	2	X-Axis	ASCII	4	Unsigned integer The number of pixels of the X-axis of an attachment image file UD1000/6000:460 dot	
				Y-Axis	ASCII	4	Unsigned integer The number of pixels of the Y-axis of an attachment image file UD1000/6000:400dot	
[PITCH]	Pixel pitch	-	2	Pixel pitch of X-Axis	ASCII	5	Unsigned decimal (*.***) Distance with the next pixel in the X-axis	mm
				Pixel pitch of Y-Axis	ASCII	5	Unsigned decimal (*.***) Distance with the next pixel in the X-axis	mm

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[VEC_A]	Line of Vector-A	-	1	Line of Vector-A	ASCII	3	Line number of Vector-A, Unsigned integer Character strings of "OFF" is described at the time of un-displaying.	
[ZOOM]	Zoom	-	1	Magnification	ASCII	4	Magnification of zoom Unsigned decimal (*.**)	
[DAT_NU]	Data number	-	3	Start Line	ASCII	3	Unsigned integer	
				Number of Acoustic Line	ASCII	3	Unsigned integer	
				Data Number in one acoustic line.	ASCII	3	Unsigned integer	
[MSR_TYPE]	Measurement Type	-	1	Measurement Type	ASCII	6	One of the character strings of [MLEN], [AREA] or [ANTCAL] When MSR_TYPE is MLEN, fields of MLEN are effective. When MSR_TYPE is AREA, fields of AREA are effective. When MSR_TYPE is ANTCAL, fields of AOD, ARA & TIA are effective.	
[MLEN]	Measure Length	-	1	Result of Measure Length	ASCII	6	Distance between two cursors in Measure Length screen.	mm
[AREA]	Area	-	4	Lower threshold level	ASCII	3	Lower threshold level	
				Upper threshold level	ASCII	3	Upper threshold level	
				Number of pixels	ASCII	6	The corresponding number of pixels	
				Result of Area	ASCII	6	The result of area calculation	mm ²
[AOD]	AOD	-	4	X-coordinates of the SS	ASCII	6	The value is given subtracting 12 from X-coordinates of the point which marked as SS by the operator	
				Y-coordinates of the SS	ASCII	6	The value is given subtracting 48 from Y-coordinates of the point which marked as SS by the operator	
				Result of AOD250	ASCII	6	Length of AOD250	mm
				Result of AOD500	ASCII	6	Length of AOD500	mm
[ARA]	ARA	-	2	Threshold level for ARA	ASCII	3	Threshold level used in ARA calculation	
				Result of ARA	ASCII	6	Area of ARA	mm ²
[TIA]	TIA	-	3	X-coordinates of the AB	ASCII	6	The value is given subtracting 12 from X-coordinates of the point which marked as AB by the operator	
				Y-coordinates of the AB	ASCII	6	The value is given subtracting 48 from Y-coordinates of the point which marked as AB by the operator	
				TIA	ASCII	6	Angle of TIA	
[PRI_PROC]	Preprocessing for UBM	-	1	Name of the process	ASCII	10	One of the character strings of "OFF" or "Median1"	
[COMMENT]	Comment	-	1	Comment	ASCII	36	Comment	
[FILES_N]	Number of the attached files	-	1	Number of the files	ASCII	3	Unsigned integer UD1000/6000:[1]	
[FILE]	Name and attribute of the attached files	MAX 32	2	File name of the attached file	ASCII	256		

Note1: [SIZE] TAG, [PITCH] TAG, and the attribute field of [FILE] TAG are shown, when [FMT] is JPEG.

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Note2: [VEC_A] TAG, [ZOOM] TAG, and [DAT_NU] TAG are shown, when [FMT] is ECHO.

2. Sample(The portion following a common header)

Sample	Explanation
[M_IF],UD-BD,1-02-03	Version of B-DIAG format for UD is 1-02-03
[MAC_V],M.30 ,G.10 ,0e,00,1a,N.10	MCPU M.30 , GCPU G.10 , LCA 0e, INT 00, POST 1a, NCPU N.10
[FMT],ECHO	ECHO
[RL],Right	Right eye
[PRB_TYP], B-UBM	Probe is for B-UBM
[PRB_DRT], 7	Probe direction = 7
[FCS],	Fields in [FCS] are not applicable in B-UBM
[SCP],	Fields in [SCP] are not applicable in B-UBM
[FRT],	Fields in [FRT] are not applicable in B-UBM
[T_GAIN],35,-5	Total Gain at real time imaging =35dB, Adjustment value after freeze = -5 steps
[CT],40,-6	Contrast Gain at real time imaging =40dB, Adjustment value after freeze = -6 steps
[N_GAIN],20	Near gain =20dB
[F_GAIN],15	Far gain =15dB
[SMOOTH],OFF	Smoothing = OFF
[VEC-A],OFF	Vector-A = OFF
[ZOOM],1.0	Zoom = x1.0
[DAT_NU],6,117,460	Start Line = 23, Total Line Number =414, Data Number in one acoustic line =280
[MSR_TYPE],ANTCAL	Anterior Calculation
[MLN],	Not applicable in ANTICAL
[AREA],,,,,	Not applicable in ANTICAL
[AOD],54,128,0.34,0.56	SS=(54,128), AOD250=0.34(mm), AOD500=0.56(mm)
[ARA],102,0.87	value of ARA-threshold =102, ARA=0.87(mm2)
[TIA],46,136,25.48	AB=(46,135), TIA=25.48°
[PRI_PROC],Median1	Preprocess =Median1
[COMMENT],	This is the comment.
[FILES_N],1	Number of attachment file=1
[FILE],UD-IMG.JPG	Attachment File name = UD-IMG.JPG No attribute