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99295B

Handheld Digital Tachometer **DT-2100** Specialized Software

Instruction Manual

Be sure to read before use.

Precaution

All the rights including copyrights related to the tachometer "DT-2100", specialized software, and its relevant documents belong to NIDEC-SHIMPO CORPORATION.

For other precautions, refer to the terms of use described in this instruction manual.

Some specifications differ depending on the sales area of the DT-2100.

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1. Introduction

Thank you for purchasing the Handheld Digital Tachometer "DT-2100" (hereinafter referred to as the DT-2100). This instruction manual summarizes the operation procedure of the DT-2100 specialized software.

2. Operation Environment

The operation environment for the DT-2100 specialized software is as follows:

Operation environment

- Microsoft Windows[®] 10* (Japanese/English environment) 64bit
- Microsoft Windows[®] 8* (Japanese/English environment) 32bit/64bit
- Microsoft Windows $^{\ensuremath{\mathbb{R}}}$ 7* (Japanese/English environment) 32bit/64bit
- Required Memory 4GB RAM

*Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Communication method: RS-232C (Virtual COM port)

Communication protocol

Baud rate	38400bps
Data	8bit
Parity	None
Stop bit	1bit
Flow control	None

3. Installation

(1) Application installation

Double click setup.bat in the installation media "setup" folder to execute installation.



When installation is completed, the following files and folders are created under "C:\DT-2100".



(2)File configuration

Installation	Folder		Remark
destination			
C drive	C:\DT-2100	DT-2100.exe	Execution file
		DT-2100.ini	Setting value save file
		FILES	Used for saving the CSV file
			Initial folder to be specified at the time of
			saving
		Driver	USB driver

(3) USB driver installation

When connecting a USB device to the PC where the DT-2100 has been installed, the USB driver is automatically installed. Wait for several minutes until the installation is completed.

(4) COM port setting

Select "USB Serial Port" created under [Control Panel] - [Device Manager], and start to set the port.



If the driver is not recognized correctly, perform [Update Driver] according to the following procedure.



4. Starting Application

Double click "DT-2100.exe" in the installation folder to start application.



(1)COM port selection*	Select from among COM1 to COM15.
	Detects the available ports automatically, and attaches "*" before the COM number.
(2)OK button	Opens the selected COM port, and displays the main screen.

*Label and message descriptions depend on the language setting. (same as those for other screens)

*The initial language setting is English. From the next startup, the application starts with the language set when last closed.

5. Main Screen

📱 DT-2100 : Main	- ¤ ×	
Nider	Exit -	— (3) Exit button
-All for dreams	CONT_DATA_TRANSFER	— (4) CONT_DATA_TRANSFER button
Jul/30/2018 11:46	MEM_DATA_TRANSFER	— (5) MEM_DATA_TRANSFER button
English	SET_USER	(6) SET_USER button
USB connected	SET_SYSTEM	— (7) SET_SYSTEM button
	SEL_USER	(8) SEL_USER button

(1) Language (2) Status display

(1) Language selection	Select the language from Japanese or English.
(2) Status display	Displays the USB connection status.
(3) Exit button	Exits the application.
(4) CONT_DATA_TRANSFER button	Displays the Continuous Data Mode screen.
(5) MEM_DATA_TRANSFER button	Displays the Memory Mode screen.
(6) SET_USER button	Displays the SET_USER screen.
(7) SET_SYSTEM button	Displays the SET_SYSTEM screen.
(8) SEL_USER button	Displays the SEL_USER screen.

5.1 USB Connection Status

Check the connection status with the DT-2100 in the status display screen.



Connected



Disconnected

6. Continuous Data Import Screen

Select the "CONT_DATA_TRANSFER button" in the menu to display the continuous data import screen.



(3)Importcontrol setting (4)Measurement interval

(1) Measurement display	Upper/lower judgment marks: Compared to the values specified in the user setting,
	indicates the upper limit mark when the upper limit value is less than the measurement
	value, and the lower limit mark when the lower limit value is more than the
	measurement value.
	Measurement unit: Indicates the unit specified in the user setting, and indicates
	"OVER" when the measured value exceeds the measurement range.
	Measurement value: Indicates the measurement value (6 digits + decimal point).
	When the measurement value exceeds 999999, indicates "" (hyphens).
(2) Statistics Data	For the imported measurement data, indicates the maximum value/minimum
	value/average value/standard deviation, the number of measurement data, and the
	measurement start/end time. Updates during measurement.
	For the average value, when the integer part of the calculated result has x digits, the
	number of digits after decimal point becomes 6-x.
(3) Import control setting	Import start trigger: After the measurement value exceeding the Start Trigger setting
	value is detected, starts importing.
	Import time limit: Finishes importing when the Limit (sec.) setting value has elapsed.
	Upper/lower judgment values: Indicates the upper/lower judgment values specified in
	the user setting.
(4) Measurement interval	Indicates the measurement interval specified in the system setting.
(5) File Save button	Indicates the save destination folder selection screen.
	Saves the measurement data being displayed and statistics data (Max./Min./Ave./SD)
	to the file in the CSV format.
(6) Restore button	Indicates the file selection screen.
	Creates a new block, and reads the selected measurement data into it.

(7) Start button	Press the Start button to start importing the data. The Start button then becomes the
/Stop button	Stop button.
	Press the Stop button to finish importing the data. The Stop button then becomes the
	Start button.
	During data import, buttons other than the Stop and Graph buttons, as well as the
	selection columns are disabled.
(8) Clear Block button	Click this button to display the confirmation screen. Click OK to delete the block that
	has been selected.
	When there are blocks No.1 to 4 and you delete block No.3, block No.4 is changed to
	No.3.
(9) Data Select button	Click this button to keep only the data that has been selected.
(10) Graph button	Click this button to display the Graph screen.
(11) Block tab*	Indicates the measurement data for every measurement. Up to 1000 block.
	Creates a new block for every measurement by pressing the Start button.
(12) Measurement data*	Indicates the measurement value. Up to 65535 data points can be imported.
	Importing ends automatically when the maximum number of data points is attained.

*The measurement data and block tab are synchronized with the graph screen.

6.1 Measurement Display

Indicates the data importing status during measurement.

(1) Measurement value

•Indicates the measurement value (6 digits + decimal point).



•When the measurement value exceeds 999999, indicates "-----" (hyphens).



(2) Upper/lower limit judgment marks

• Indicates the upper limit mark when COMPARATOR UPPER_LIMIT in the user setting is less than the measurement data.



• Indicates the lower limit mark when COMPARATOR LOWER_LIMIT in the user setting is more than the measurement data.



(3) Measurement unit

•Indicates the unit specified in the SET_USER.

	UNIT	yards/min 🗸
	GRAPH_DISP	Normal ~
	START_MEM	Group_1 v
	MEMORY_MODE	Cont ~
	LOWER_LIMIT	30000.0
3300.0	UPPER_LIMIT	50000.0
2256 F	COMPARATOR	
vards/min	DT-2100 : SET_USER	- 🗆 🗙

•Indicates "OVER" when the measured value exceeds the measurement range.



6.2 Measurement Results

(1) Measurement data



Measurement operation - 2

Adds a new block for every data import by pressing the Start button, and holds the measurement data.



(2) Statistics Data

From the measurement data, calculates the maximum value/minimum value/average value/standard deviation

lun/01/2018 09-09		(Sectors and					
501/01/2018 05:05	File Save	No.	rev/min	No.	rev/min	No.	rev/min
was showing		1	226.2	21	589.3	41	685.6
revinin	Restore	2	226.2	22	390.5	42	685.6
		3	38.3	23	442.4	43	685.6
227 E		4	38.3	24	446.5	44	685.6
201.0	Start	5	38.3	25	446.5	45	685.6
		6	130.4	26	446.5	46	685.6
		7	130.4	27	446.5		
Inn 722 C Desert	10	8	130.4	28	446.5		
nax. 733.6 Gecolds	46	9	98.5	29	446.5		Ν
Ain. 38.3 Start	Jun/01/2018 08:40	10	288.7	30	446.5		
ve. 419.147		11	112.2	31	446.5		
229 609	Jun/01/2018 08:40	12	500.8	32	446.5		
220.003		13	500.8	33	617.1		
Start Limit	Clear Block	14	189.4	34	180.5		
Trigger (sec.) Upper Lowe	er	15	561.1	35	693.4		
0.000 0.000	00 Data Select	16	324.8	36	693.4		<u> </u>
		17	70.2	37	170.3		
Measurement Interval	Granh	18	733.6	38	685.6		
100msec	Staph	19	733.6	39	685.6		
		20	242.8	40	685.6		

(Max./Min./Ave./SD). Indicates and holds the data for every import.

Calculate and holds the statistics data for every import.

(3)Exporting the measurement data

Select the arbitrary measurement data, and click the Data Select button to export the selected data.



*When you press and hold the Ctrl key, and click or drag, multiple data can be selected.

(4) Deleting the measurement data

Click the Clear Block button to delete the block tab that has been selected.

					1 2	3 4					
	Jun/01/201	8 09:10		File Cours	No.	rev/min	No.	rev/min	No.	rev/min	
				File Save	1	0.0	21	752.2	41	432.7	
rev/min				Desteres	2	0.0	22	752.2	42	113.0	
				Restore	3	0.0	23	230.3	43	585.9	
261 8					4	0.0	24	661.4	44	210.2	
	301.0			Start	5	0.0	25	277.2	45	427.4	
				otart	6	0.0	26	433.5	46	425.3	
					7	0.0	27	665.1	47	137.0	
	752.0	Decender			8	0.0	28	233.4	48	137.0	
lax.	152.2	Records	29		9	0.0	29	732.6	49	662.4	
lin.	0	Start	Jun/	01/2018 09:10	10	0.0	30	333.6	50	192.4	
ve.	291.064	Fed	-		11	0.0	31	371.9	51	578.3	
	222 754	End	Jun/	Jun/0	01/2018 09:10	12	0.0	32	371.9	52	578.3
U	233.131				13	0.0	33	651.4	53	180.4	
Start	Limit			Clear Block	14	0.0	34	288.4	54	469.9	
Trigger	(sec.) l	Jpper Lo	wer		15	303.7	35	630.1	55	162.1	
0	0	.00000 0.0	0000	Data Select	16	454.4	36	211.7	56	498.0	
Magazira	ment Interne	.1			17	126.0	37	447.8	57	273.0	
weasure	ment interva			Graph	18	126.0	38	392.8	58	273.0	
	100msec				19	260.8	39	284.1	59	361.8	
					20	49.5	40	432.7			

🛃 DT-2100	: Continuous	Data Mode							-		
	1	0.00.44			1 2	3					
	301001/2010 05.11			File Save	No.	rev/min	No.	rev/min	No.	rev/min	
				The bave		22.0.2	K 1	069.3	000413000	063.0	
	rev/m	un		Re tore	2	226.2	22	390.5	42	685.6	
				Nettore	3	38.3	23	442.4	43	685.6	
	-26	24	<u>Q</u>		4	38.3	24	446.5	44	685.6	
			0	S art	5	38.3	25	446.5	45	685.6	
					6	130.4	26	446.5	46	685.6	
					7	130.4	27	446.5			
	722.0	Desert	1	c	8	130.4	28	446.5			
ax.	133.0	Record	• 4	0	9	98.5	29	446.5			
in.	38.3	Start	Start	Ju	01/2018 08:40	10	288.7	30	446.5		
ve.	419.147	-				11	112.2	31	446.5		
0	228 609	Ena	Ju	n/01/2019 08:40	12	500.8	32	446.5			
U	220.005		ſ		13	500.8	33	617.1			
Start	Limit			Clear Block	14	189.4	34	180.5			
Trigger	(sec.) l	Jpper	Lower 🧲		15	561.1	35	693.4			
0	0	.00000	0.00000	Data Select	16	324.8	36	693.4			
	and latera	-1			17	70.2	37	170.3			
vieasurei	nent intervi			Graph	18	733.6	38	685.6			
	100msec			Subu	19	733.6	39	685.6			
					20	242.8	40	685.6			

6.3 CSV File Operation

The measurement results can be saved in or read from the arbitrary CSV file.

• Save the measurement results in the CSV file

Click the File Save button to display the "Save as" dialog window.

Specify the arbitrary file name and save destination, and click the save button to save the setting contents.

• Read the measurement results from the CSV file

Click the File Save button to display the "Open" dialog window.

Select the CSV file you want to open, and click the "Open" button.

A new block tab is created and the measurement data as well as statistics data are displayed in the tab.

Only CSV files that have been saved with this application can be opened here.

If you try to open files other than those specified above, they cannot be opened normally.

7. Graph Screen

Select the "Graph button" in the continuous data import screen to display the graph screen.



Press the Limit On button to draw the upper/lower limit graph. The Limit On button then				
becomes the Limit Off button				
Press the Limit Off button to erase the upper/lower limit graph. The Limit Off button then				
becomes the Limit On button				
For the imported measurement data, indicates the maximum value/minimum				
value/average value/standard deviation, the number of measurement data, and the				
measurement start/end time. Updates during measurement.				
For the average value, when the integer part of the calculated result has x digits, the				
number of digits after decimal point becomes 6-x.				
Synchronized with the block tab in the continuous data import screen, holds the				
measurement data and statistics data.				
Select the maximum value on the vertical axis and specify the				
measurement data range.				
Ranges depend on each unit setting.				
If the measurement data does not fit within the range, the scroll bar				
becomes enabled to allow you to scroll up or down the column.				
If the Auto setting is selected, it switches the range automatically based on				
the measured data. 5000				
1500				
Indicates the maximum value divided into three, average value, and				
maximum value on the vertical axis memory.				
When drawing the upper/lower limit graph the upper and lower limit values are displayed				
on the vertical axis memory				

(5) Horizontal axis	Select the maximum value on the horizontal axis.	uto	~		
selection column	Auto: Automatically sets to the time during measurement, or measurement	uto			
	time after measurement ends.	mit			
	Limit: Applies the Limit setting in the USB main screen. When the Limit is 0,	l0sec			
	the range setting is same as that for the Auto.	l0sec			
	10sec, 100sec, 300sec: Sets to the specified measurement time. If the measure				
	exceeds the setting range, the scroll bar becomes enabled to allow you to scr	oll up a	and		
	down the column.				
(6) Graph	Indicates the real-time graph.				

7.1 Graph Drawing

(1) Synchronization of measurement data and statistics data with the continuous data import screen

The graph and statistics data to be displayed are synchronized with the block tab in the continuous data import screen.





The 3rd measured data

1 2 3

rev/mi 30

645.5 31 32

423.1

579.0 33

617.7 34

275.6 35

374.5 36 37

374.5

644.9 39

190.0 40

38 112.5

No.

5

20

		Max.	1018.	3	
		Min.		11.	2
		Ave.		367.92	2
		SD		224.62	7
Inclusion	Ne	reularia	Ne	reu/min	
204.4	NO.	rev/min	NO.	rev/min	
301.1	21	002.3	41	012.7	
301.1	22	2/1.4	42	237.5	
301.1	23	271.4	43	237.5	
11.2	24	657.5	44	237.5	
640.2	25	218.5	45	237.5	
544.0	26	218.5	46	237.5	
205.0	27	211.9	47	237.5	
629.9	28	118.4	48	237.5	
333.3	29	683.4	49	237.5	
333.3	30	683.4	50	237.5	

683.4 50 51 52

203.3

624.4

151.6 53 54

151.6

970.8

376.4

280.7

280.7

75.6

1018.3

237.5 237.5 237.5

237.5

237.5



14

(2) Switching the display of the upper/lower limit graph

Use the Limit On button/Limit Off button to switch showing and hiding of the upper/lower limit graph.



8. Memory Data Import Screen

Select the "MEM_DATA_TRANSFER button" in the menu to display the memory data import screen.

Memory	mode	(2)	File Save butto	on (3	3) Restor	e butt	on (4)	Block	tab	(5) Memory data
🕂 DT-2100 :	Memory Mode			/		/		9 <u>08</u>		
May/3	0/2018 15:26		File Save	1	_					
Con	t Memory		/	No.	rev/min	No.	rev/min	No.	rev/min	
MEM GROU	JP		Restore	1	121.2	20	64.0	39	575.9	
				2	121.2	21	416.3	40	43.2	
G	roup_1	~	Transfer	3	121.2	22	416.3	41	587.1	
Blocks	47			+	121.2	23	92.2	42	587.1	
Mak	599.8			5	121.2	24	380.4	43	193.4	
Wax.	555.0		Clear Block	6	121.2	25	380.4	44	63.4	
Min.	7.8			7	121.2	26	79.6	45	574.8	
Ave.	331.655	1	Clear Device	8	7.8	27	474.2	46	574.8	
sþ	210.164		Sida Device	9	437.8	28	474.2	47	574.8	
		1		10	437.8	29	119.1			-
		1		1						

(6) MEM_GROUP (7) Statistics data (8) Clear Device button (9) Clear Block button (10) Transfer button

(1) Memory mode	Indicates the memory mode specified in the user setting.
(2) File Save button	Indicates the save destination folder selection screen.
	Saves the memory data being displayed to the file in the CSV format.
(3) Restore button	Indicates the file selection screen.
	Creates a new block, and reads the selected memory data into it.
(4) Block tab	Indicates the measurement data every time the memory data is read from the DT-2100. Up
	to 1000 blocks.
(5) Memory data	Indicates the memory data that has been read.
	The contents depend on the measurement mode (continuous memory/each
	memory/statistics memory).
(6) MEM_GROUP	Select the MEM_GROUP.
(7) Statistics Data	Indicates the maximum value, minimum value, average value, and standard deviation for the
	selected block number.
	Indicates the number of memory data in Blocks.
(8)Clear Device button	Click this button to display the confirmation screen. Click OK to delete the memory data for
	the MEM_GROUP that has been selected.
(9)Clear Block button	Click this button to display the confirmation screen. Click OK to delete the block that has
	been selected.
(10) Transfer button	Reads the memory data for the MEM_GROUP that has been selected.

8.1 Continuous Memory

Indicates "No." and "(measurement unit)" on the first row of the memory data, and the serial number and memory data below them.

Indicates the statistics data corresponding to the memory data on the statistics data column.

May/3	May/30/2018 15:33 File Save							
Cor	nt Memory		No.	rev/min	No.	rev/min	No.	rev/min
MEM GRO	IIP	Restore	1	121.2	20	64.0	39	575.9
Incin_onto			2	121.2	21	416.3	40	43.2
G	roup_1 ~	Transfer	3	121.2	22	416.3	41	587.1
Blocks	47		4	121.2	23	92.2	42	587.1
	500.9		5	121.2	24	380.4	43	193.4
nax.	599.0	Clear Block	6	121.2	25	380.4	44	63.4
Ain.	7.8		7	121.2	26	79.6	45	574.8
lve.	331.655	Clear Device	1 8	7.8	27	474.2	46	574.8
SD	210.164	Clear Device	9	437.8	28	474.2	47	574.8
			10	437.8	29	119 1		

8.2 Each Memory

Indicates "No." and "(measurement unit)" on the first row of the memory data, and the serial number and memory data

below them.

Indicates the statistics data corresponding to the memory data on the statistics data column.

🚽 DT-2100:	Memory Mode				-	×
May/3	0/2018 15:35	File Save				
Eac	h Memory		No.	rev/min		
MEM GROU	IIP	Restore	1	406.6		
			2	356.7		
G	roup_1 ~	Transfer	3	679.4		
Blocks	10		4	203.9		
Max	679.4		5	286.6		
Max.	013.4	Clear Block	6	217.4		
Min.	197.5		7	497.2		
Ave.	348.660	Clear Device	8	280.5		
SD	143.022	Ciedi Device	9	197.5		
			10	360.8		

8.3 Statistics Memory

Indicates "No.", "MAX", "MIN", "AVE", and "SD"on the first row of the memory data, and the serial number and memory

data below them.

Indicates the selected memory data on the statistics data column.

May/3	0/2018 15:37	File Save	E				
		The save	No.	MAX	MIN	AVE	SD
Stat	Stats Memory		1	434.4	9.2	195.608	153.447
MEM_GRO	UP	Nestore	2	381.0	8.6	267.259	108.475
G	roup 1 v	Transfer	3	502.4	9.0	263.800	173.563
	ioup_i		4	434.7	9.2	282.823	115.322
Blocks	7		5	516.2	19.8	362.569	171.083
Max.	434.4	Class Black	6	670.8	19.3	415.950	174.273
Ain.	9.2	Clear block	7	285.0	285.0	285.000	0.00000
ve.	195.608						
SD.	153.447	Clear Device					

8.4 CSV File Operation

The measurement results can be saved in or read from the arbitrary CSV file.

• Save the measurement results in the CSV file

Click the File Save button to display the "Save as" dialog window.

Specify the arbitrary file name and save destination, and click the save button to save the setting contents.

• Read the measurement results from the CSV file

Click the File Save button to display the "Open" dialog window.

Select the CSV file you want to open, and click the "Open" button.

A new block tab is created and the measurement data as well as statistics data are displayed in the tab.

Only CSV files that have been saved with this application can be opened here.

If you try to open files other than those specified above, they cannot be opened normally.

9. SET_USER Screen

Select "SET_USER button" in the menu to display the SET_USER screen.

DT-2100 : SET_USER	- 0	×		
COMPARATOR				
UPPER_LIMIT	0.0	0000		
LOWER_LIMIT	0.0	0000		
MEMORY_MODE	Cont	· .	(1) Setting	value
START_MEM	Group_1	~	(T) Octaing	Value
GRAPH_DISP	Normal	~		
UNIT	rev/min	~		
FACTY_DEFAULT	CANCEL			
READ	WRITE			
/ (2) READ button	(3)FACTY D	FFAULT butto	n (4) WRITE button	(5) CANCEL buttor
(_)	(s)B			(0) 0

(1) Setting value	COMPARATOR	_		
	UPPER_LIMIT	Enter 0.00000 to 999999 (<u>0.00000</u>)		
	LOWER_LIMIT	Enter 0.00000 to 999999 (<u>0.00000</u>)		
	MEMORY_MODE	Select from Cont, Each, or Stats		
	START_MEM	Select from Group 1, Group_2, Group_3, Group_4, or		
		Group_5		
	GRAPH_DISP	Select from <u>Normal</u> , Graph_1, Graph_2, or Graph_3		
	UNIT	Select from the following items		
		rev/min, m/min, cm/min, inch/min, feet/min, yards/min,		
		rev/sec, m/sec, cm/sec, inch/sec, km/h, miles/h, cm, m, km,		
		inch, feet, yards, or STP		
(2) READ button	Reads the current use	er setting information from the DT-2100.		
(3) FACTY_DEFAULT	Indicates the factory of	default values.		
button				
(4) WRITE button	Saves the user setting	g in the DT-2100, and returns to the main screen.		
	If the MEMORY_MC	DE value is different from the current setting value in the		
	DT-2100, the confirmation message (OK/Cancel) is displayed.			
(5) CANCEL button	Returns to the main s	creen without saving the changed content.		

10. SET SYSTEM Screen

Select "SET_SYSTEM button" in the menu to display the SET_SYSTEM screen.



(2) FACTY_DEFAULT button (3)CANCEL button (4) READ button (5) WRITE button

(1) Setting value	AUTO_OFF	Select from <u>1min</u> , 10min, or 30min
	AUTO_ZERO	Select from 1sec, 10sec, 30sec, 60sec, or None
	SET_GRAPH	_
		Select Right or Left
	RAPH_FLOW	
		Select from <u>1sec</u> , 10sec, 50sec, or 100sec
	GRAPH_TIME	
		Enter 0.00001 to 9999999 (000100)
	GRAPH_MAX	
		Enter 0.00000 to 999999 (<u>0.00000</u>)
	GRAPH_MIN	
	MEM_GROUP	_
	Group_1	0 to 1000/100/100 (Cont/Each/Stats)
	Group_2	<u>0</u> to 1000/100/100 (Cont/Each/Stats)
	Group_3	<u>0</u> to 1000/100/100 (Cont/Each/Stats)
	Group_4	<u>0</u> to 1000/100/100 (Cont/Each/Stats)
	Group_5	<u>0</u> to 1000/100/100 (Cont/Each/Stats)
	CONTACT	Select from Contact, Non Contact, Auto, or Contact(Low)
	DISP_CYCLE	100msec, 500msec, <u>1sec</u> , 5sec
	PRESCALE	Enter 0.00001 to 999999 (000001)
	DIAMETER	_
	DIA_UNIT	Select from <u>mm</u> , cm, m, inch, feet, or yards
	DIAMETER	Enter 0.00001 to 999999 (<u>48.5104</u>)

	DIST/PULSE	_			
	DIST_UNIT	Select from mm, cm, m, inch, feet, or yards			
		Enter 0.00001 to 9999999 (000001)			
	DIST/PULSE				
	BRIGHTNESS	Select from 20%, 40%, <u>60%</u> , 80%, or 100%			
	REVERSE_LC	Select OFF or ON			
	D				
	LANGUAGE	Select Japanese or <u>English</u>			
	MEAS_OPR	Select Momentaty or Continuous			
(2) FACTY_DEFAULT button	Indicates the factory default values.				
(3) CANCEL button	Returns to the main screen without saving the changed content.				
(4) READ button	Reads the current system setting information from the DT-2100.				
(5) WRITE button	Saves the syster	Saves the system setting in the DT-2100 and returns to the main screen.			

11. SEL_USER Screen

Select "SEL_USER button" in the menu to display the SEL_USER screen.

🖳 DT-2100 : SEL_USER	<u>ن</u> (×	
SEL_USER	User_Set_1	-	(1) SEL_USER selection
Used	Over Write		
(2)Used bu	itton (3) Ov	er Writ	te button

(1) SEL_USER selection	Select SEL_USER from User Set_1, User Set_2, or User Set_3.
(2) Used button	Reads the user setting and system setting contents for the selected SEL_USER.
(3) Over Write button	Writes the contents specified in the user setting and system setting for the selected
	SEL_USER.

12. Error Message List

Error Message	Cause	Countermeasure
DT-2100 × Communication failure. Check connection. OK	The DT-2100 cannot communicate normally with PC Or the COM port number is incorrect	 Check communication between the DT-2100 and PC, as well as the power supply. Check the COM port number from the Device Manager.
DT-2100 X Choose the data file imported as Each memory data.	Tried to open the measurement data, which was saved in the continuous data import screen, in the memory data import screen.	Open the measurement data saved in the memory data import screen.
■ DT-2100 × Choose the data file imported as Continuous data.	Tried to open the measurement data, which was saved in the memory data import screen, in the continuous data import screen.	Open the measurement data saved in the measurement data import screen.
■ DT-2100 × No memory data in {0} . OK	There is no memory data in the group where the memory is imported	Create the memory data. *The target group is shown in {0}.
DT-2100 × Choose Cont memory data file.	In the memory data import screen (continuous memory mode), tried to open the measurement data saved in modes other than the continuous memory mode	Open the measurement data saved in the continuous memory mode
DT-2100 × Choose Each memory data file. OK	In the memory data import screen (each memory mode), tried to open the measurement data saved in modes other than the each memory mode	Open the measurement data saved in the each memory mode
ET-2100 × Choose Stats memory data file. OK	In the memory data import screen (statistics memory mode), tried to open the measurement data saved in modes other than the statistics memory mode	Open the measurement data saved in the statistics memory mode

	The sector of the sector of the sector of	
🖷 DT-2100 🛛 🗙	i nere is a blank in the input	Enter the value in the item.
the second second second second	item of the user setting screen	*The torget item neme is
Input {0} .	and/or system setting screen	shown in (0)
		Shown in {0}.
OK		
💀 DT-2100 🛛 🗙	There is the value beyond the	Enter the correct value within
	specified range in the input	the specified range.
Input the value between 1^{0} .	item of the user setting screen	*The target item name is
	and/or system setting screen	shown in {0}.
ОК		*The lower limit value of the
		range is shown in {1}.
		* The upper limit value of the
		range is shown in {2}.
星 DT-2100 🛛 🗙	When reading files for data	Delete the existing tab blocks
	measurement and continuous	so that the maximum number
Over the capacity of importing data. Stop importing.	data, the number of tab blocks	of the tab blocks does not
	number	
OK	number	
🖷 DT-2100 🗙	An error occurred while saving	Check that the save
	a file.	destination folder exists. If
Eile save failure		not, create a folder.
rite save failule.		• Check that you have write
		destingtion folder. If not
ОК		perform the write permission
		setting
		·Check that the free space is
		sufficient on the drive. If not.
		secure the free space.
	An error occurred while	The file may be corrupt. Select
■ DT-2100 ×	reading a file	the file in the correct format.
File read failure		
The read landle.		
ОК		
	In the user setting screen, the	Set the UPPER TIMIT value
X X	LOWER LIMIT value is higher	higher than the I OWFR I IMIT
Irregular setting: UPPER_LIMIT < LOWER_LIMIT	than the UPPER LIMIT value	value.
OK		
Un		
💀 DT-2100 🛛 🗙	In the system setting screen.	Set the GRAPH MAX value
	the GRAPH MIN value is	higher than the GRAPH MIN
Irregular setting: GRAPH_MAX < GRAPH_MIN	higher than the GRAPH MAX	value.
	value	
UN		

Please check the mode.	Measurement data cannot be imported correctly from the DT-2100	Check that the DT-2100 is in the correct mode for measurement.
Image: With DT-2100 × Start measuring with DT-2100. OK	The Start button was pressed when the DT-2100 was not in the measurement mode	Start measurement.
DT-2100 X If the memory mode is changed, the memory data will be reset. Do you want to continue? OK Cancel	This message is displayed when you have changed the memory mode value in the user setting screen, and have clicked the WRITE button.	Select "OK" to initialize the memory data, and switch the memory mode. Select "Cancel" to avoid switching the memory mode.
DT-2100 If the memory group is changed, the memory data will be reset. Do you want to continue? OK Cancel	This message is displayed when you have changed the memory group value in the system setting screen, and have clicked the WRITE button.	Select "OK" to initialize the memory data, and change the memory group. Select "Cancel" to avoid changing the memory group.
DT-2100 × The memory data will be reset. Do you want to continue? OK Cancel	This message is displayed when you have clicked the Clear Device button in the memory data import screen.	Select "OK" to initialize the memory data. Select "Cancel" not to initialize the memory data.
Image: DT-2100 X Selected tab will remove. OK Cancel	This message is displayed when you have clicked the Clear Block button in the memory data import screen.	Select "OK" to delete the selected tab. Select "OK" not to delete the selected tab.

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14. Communication Commands

For communication commands, refer to the "RS232C Command List".

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