

# Light Measurement Data Management Software



This light measurement data management software downloads measurements from a multimedia display tester 3298/3298F to a PC and displays data tables, chromaticity diagrams, deviation charts, and trend graphs. The program can also read data stored in the display tester's memory.

## Features

- The program can be used to display data for each measurement parameter in table format, and save the data to text files.
- A graphing function provides easy-to-understand graphical displays of luminance and chromaticity measurements according to the particular management application.
- Diagrams such as chromaticity diagrams can be copied and pasted to other Windows programs using the Windows clipboard.
- Diagrams such as chromaticity diagrams can be printed out as hard copies.
- Setting parameters can be saved to files.
- Memory data can be loaded into tables.

### ● Data Tables (Measurement Data)

<Luminance, contrast, flicker, and chromaticity measurements>

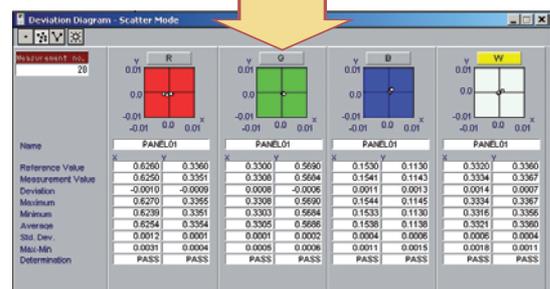
- In the data table format, sequence numbers and values for each measurement parameter are displayed.
- Chromaticity values are shown in the specified table color system.
- Data in these tables can be saved to text files.

Mess. No.	Lumin		Contrast		Flicker %	CHROMATICITY											
	L	Bright	Dark	Cont.		x	y	L	x	y	L	x	y	L	x	y	L
1	148.1	148.1	1.82	77.66	0.12	0.6270	0.3355	35.8	0.3304	0.5696	96.2	0.1533	0.1130	20.2	0.3318	0.3398	149.0
2	150.7	150.7	1.89	75.73	0.16	0.6285	0.3355	36.2	0.3304	0.5690	97.3	0.1535	0.1132	20.5	0.3316	0.3398	150.6
3	156.2	156.2	2.34	66.75	0.11	0.6239	0.3354	37.9	0.3303	0.5684	101.0	0.1544	0.1145	21.5	0.3319	0.3390	156.1
4	156.1	156.2	2.22	70.36	0.15	0.6247	0.3354	37.8	0.3305	0.5687	101.0	0.1538	0.1139	21.4	0.3318	0.3391	156.3
5	152.3	152.3	2.08	73.22	0.18	0.6250	0.3351	37.0	0.3308	0.5684	98.1	0.1541	0.1143	20.7	0.3334	0.3397	152.3
6	148.1	148.1	1.82	77.66	0.12	0.6270	0.3355	35.8	0.3304	0.5696	96.2	0.1533	0.1130	20.2	0.3318	0.3398	149.0
7	150.7	150.7	1.89	75.73	0.16	0.6285	0.3355	36.2	0.3304	0.5690	97.3	0.1535	0.1132	20.5	0.3316	0.3398	150.6
8	156.2	156.2	2.34	66.75	0.11	0.6239	0.3354	37.9	0.3303	0.5684	101.0	0.1544	0.1145	21.5	0.3319	0.3390	156.1
9	156.1	156.2	2.22	70.36	0.15	0.6247	0.3354	37.8	0.3305	0.5687	101.0	0.1538	0.1139	21.4	0.3318	0.3391	156.3
10	152.3	152.3	2.08	73.22	0.18	0.6250	0.3351	37.0	0.3308	0.5684	98.1	0.1541	0.1143	20.7	0.3334	0.3397	152.3
11	148.1	148.1	1.82	77.66	0.12	0.6270	0.3355	35.8	0.3304	0.5696	96.2	0.1533	0.1130	20.2	0.3318	0.3398	149.0
12	150.7	150.7	1.89	75.73	0.16	0.6285	0.3355	36.2	0.3304	0.5690	97.3	0.1535	0.1132	20.5	0.3316	0.3398	150.6
13	156.2	156.2	2.34	66.75	0.11	0.6239	0.3354	37.9	0.3303	0.5684	101.0	0.1544	0.1145	21.5	0.3319	0.3390	156.1
14	156.1	156.2	2.22	70.36	0.15	0.6247	0.3354	37.8	0.3305	0.5687	101.0	0.1538	0.1139	21.4	0.3318	0.3391	156.3
15	152.3	152.3	2.08	73.22	0.18	0.6250	0.3351	37.0	0.3308	0.5684	98.1	0.1541	0.1143	20.7	0.3334	0.3397	152.3
16	148.1	148.1	1.82	77.66	0.12	0.6270	0.3355	35.8	0.3304	0.5696	96.2	0.1533	0.1130	20.2	0.3318	0.3398	149.0
17	150.7	150.7	1.89	75.73	0.16	0.6285	0.3355	36.2	0.3304	0.5690	97.3	0.1535	0.1132	20.5	0.3316	0.3398	150.6
18	156.2	156.2	2.34	66.75	0.11	0.6239	0.3354	37.9	0.3303	0.5684	101.0	0.1544	0.1145	21.5	0.3319	0.3390	156.1
19	156.1	156.2	2.22	70.36	0.15	0.6247	0.3354	37.8	0.3305	0.5687	101.0	0.1538	0.1139	21.4	0.3318	0.3391	156.3
20	152.3	152.3	2.08	73.22	0.18	0.6250	0.3351	37.0	0.3308	0.5684	98.1	0.1541	0.1143	20.7	0.3334	0.3397	152.3

### ● Deviation Charts

<Chromaticity measurements only>

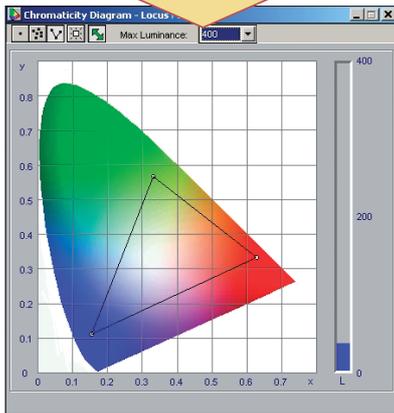
- In the deviation chart format, deviations are shown with respect to up to six preset reference colors.
- One of the following table color systems may be selected when setting the measurement conditions: x, y/u', v'.
- Reference colors may be input numerically or through measurements.
- The graphical part of the deviation chart can be copied to the clipboard as a bitmap.



## ● Chromaticity Diagram

### <Chromaticity measurements only>

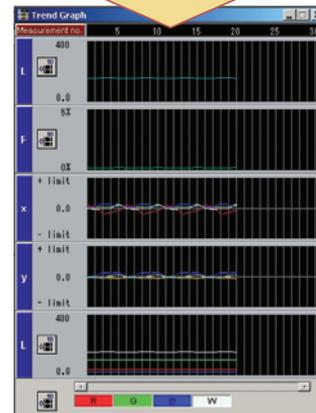
- One of the following table color systems may be selected when setting the measurement conditions:  $x, y/u', v'$ .
- Luminance is shown in a bar graph. The luminance scale values can be changed.
- The graphical part of the chromaticity diagram can be copied to the clipboard as a bitmap.
- The screen size of the chromaticity diagram can be switched between two different sizes.



## ● Trend Graphs

### <Luminance, flicker, and chromaticity measurements>

- The trend graph format displays changes in chromaticity coordinate values and luminance values. The number of measurements is shown on the horizontal axis.
- The following three measurement parameters can be selected: luminance, flicker, and chromaticity.
- The graphical part of the trend graph can be copied to the clipboard as a bitmap.



## ■ Specification overview

### Functions

- Data table (measurement data)  
Displays data for each measurement parameter in table format. Any of the available parameters can be selected for display.
- Trend graph  
Displays trends for luminance, flicker, and chromaticity. The number of measurements is shown on the horizontal axis.
- Chromaticity diagram  
Displays chromaticity measurements ( $x, y/u', v'$  table color system) in graph format. The screen size of the chromaticity diagram can be switched between two different sizes. Three different plot modes are available: refresh, trace, and scatter.
- Deviation chart  
Up to six reference colors can be set for chromaticity measurements. Reference colors can be input numerically or through measurements. Three different plot modes are available: refresh, trace, and scatter.
- Surface distribution graph  
Displays deviations for chromaticity according to position (color irregularity).
- The graphical part of any graph or chart can be copied to the clipboard as a bitmap.
- The graphical part of any graph or chart can be printed.
- File saving  
Information shown in a data table can be saved in text format.
- Settings  
Various coefficients can be set (color calibration coefficient, etc.).
- Memory data  
Specified parameters in memory can be displayed in data tables.

### System Specifications

- PC: PC with a Pentium 133 MHz or faster and at least 32 MB RAM, running Windows 98/NT/2000. The PC should have a serial port conforming to the RS-232 standard.
- Screen: 640×480 resolution, 256 or more colors (65,000 or more colors recommended).
- Multimedia Display Tester:  
3298F (model: 329802) ROM Version 1.00 or later  
3298 (model: 329801) ROM Version 1.05 or later

### Model Number and Suffix Codes

Model	Suffix Code	Description List
329831		Software and user's manual
	-E	English version
	-J	Japanese version

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#### NOTICE

- Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.

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