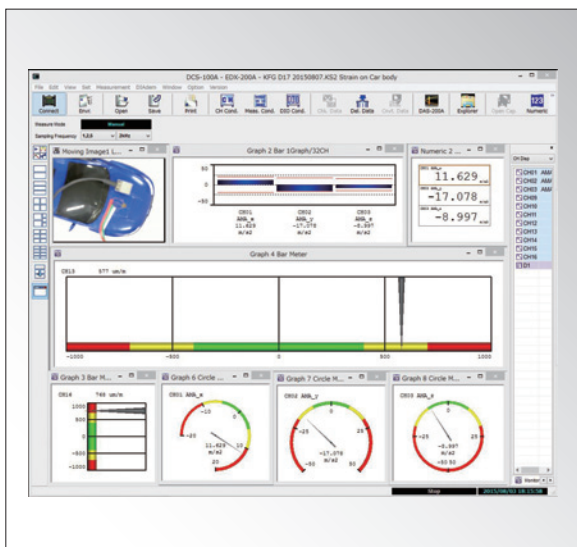


DCS-100A

Dynamic Data Acquisition Software



Monitors measurement data with various graphs and numerical windows. Acquires data efficiently.

- The basic operation does not depend on the controlled measuring instrument, so even if the measuring instrument been changed, the DCS-100A is still user-friendly.
- Y-time, X-Y, bar graphs, circular meters, and numeric display are possible.
- Measuring condition setting, data acquisition, data collection, data reproduction and file conversion.
For analyzing the acquired data, an optional data analysis software DAS-200A is recommended.
- Acquires large capacity data by PC's hard disk.
- Collects data automatically.
- Easy operation with the toolbar, function keys and operation panel
- Converts Kyowa standard data file format (KS2) into CSV and Excel formats during data reproduction.

The software enables easy interactive setting of various conditions and facilitates efficient acquisition of required data by showing variables under measurement in graphs and numeric windows on the display.

Measuring instruments are CTRS-100 series, EDX-10 series, EDX-100A, EDX-200A, EDX-5000A, PCD-400A, PCD-430A, UCAM-550A, and NTB-500C.

Common Specifications

■ Operating Environment	
OS	Windows® 8.1, Windows® 10 English/Japanese, 32/64 bits support If 64-bit OS, operate in WOW64 (Windows 32-bit On Windows 64-bit) environment
CPU	Core i5 2 GHz or advanced
Memory	If 32-bit OS, 2 GB or more If 64-bit OS, 4 GB or more
Display	Resolution: 1024x768 pixels or more * LAN Interface: 100 Base-TX or more
■ Monitor Display	
Y-time Graphs	Allows up to 16 channels of physical quantities to be graphed on Y axis with X axis for time. 1 to 10 graphs per window
Y-time (All channels) Graphs	Allows all channels of physical quantities to be graphed on Y axis with X axis for time in the same color curves.
Y-time (DIV) Graphs	Allows up to 16 channels of physical quantities to be graphed on Y axis with X axis for time. Zero point of each channel is moved freely to a desired position on a division of Y axis.
X-Y Graphs	Variables of desired 8 channels each for both X axis and Y axis are graphed in free combination.
Bar Graphs	One bar graph has up to 32 channels and 1 to 4 graphs per window. Peak hold ON or OFF is possible. (Capable of displaying peak values.)
Circular Meters	Variable of 1 desired channel per circular meter
Bar Meters	Variable of 1 desired channel per horizontal or vertical bar meter
Numeric Windows	Shows numeric data of desired 1 or 16 channels or all channels. (Capable of displaying max. and min. values of every channel)
Over Input Indication	Capable of displaying the excessive channel values in red.
Graph Scale	Capable of displaying auto-scale and full scale values on the Y-time graph (Y axis), X-Y Graphs (X, Y axes) and bar graph (Y axis). The Y-time graph (Y axis) is able to change to 1 axis, 2 axes, or channel.
Display Color	Freely changeable graph by graph
Titles and Labels	Sets a desired title and labels for X and Y axes.
Number of Simultaneously Displayed Windows	
	32 numeric windows and 32 graph windows. 64 in total. (Including reproduced data windows.) *However that the number of windows may be restricted by the CPU speed and memory of the PC.
Auxiliary Lines	Capable of displaying the desired auxiliary lines on the Y-time Graphs (X axis and Y axis), X-Y Graphs (X axis and Y axis), and Bar Graphs (X axis and Y axis). (Up to 4 auxiliary lines each for both X axis and Y axis.)
Comparative Data	Displays the comparative data (Previous KS2 format file) on the Y-time graphs, excluding the Y-time (All channels) graphs and Y-time (DIV) graphs, and X-Y graphs for comparing the monitor data. The size of the data file is maximum 10 MB. If the file size exceeds 10 MB, the DCS-100A displays the 10 MB data from its head.
Dual-display	Capable of moving the Numeric windows or Graph windows onto the sub display.
■ Channel Conditions & Measuring Conditions	
Setting Ranges	Applied recorder is set according to the specifications.
TEDS Information	Reading sensor's TEDS information and setting to channel conditions automatically (TEDS sensor only)
Saving and Loading Measurement Condition File	
	Capable of saving and loading the sensor information file (CSV format file) on the channel conditions.

Setting Environment	
Data File Destinations	Measured data is saved in storage media of the controlled recorder. Also possible is direct saving in the hard disk of PC, while it is limited by the sampling frequency and the number of measuring channels.
Automatic Transfer of Data Files	Data files are automatically transferred to the hard disk of PC upon completion of recording.
Automatic Conversion	Data files are automatically converted to format of CSV, XLS, XLSX, or RPCIII, upon completion of recording.
Optional Units	Registers up to 3 user-defined units.
PAUSE Function While Recording Data	
	PAUSE function ON or OFF is possible.
Data Files	
Saving File Formats	Kyowa standard file format (KS2)
File Coupling	Data files saved in controlled recorders operated in synchronization are combined to a single data file at the time of collection by the PC.
Data Reproduction	
Y-time Graphs	Allows up to 16 channels of physical quantities to be graphed on Y axis with X axis for time. 1 to 10 graphs per window.
Y-time (DIV) Graphs	Allows up to 16 channels of physical quantities to be graphed on Y axis with X axis for time. Zero point of each channel is moved freely to a desired position on a division of Y axis.
X-Y Graphs	Variables of desired 8 channels each for both X axis and Y axis are graphed in free combination.
Numeric Windows	Shows numeric data in a list.
Graph Scale	Capable of displaying auto-scale and full scale values on the Y-time graph (Y axis), X-Y graph (X, Y axes) and bar graph (Y axis). The Y-time graph (Y axis) is able to change to 1 axis, 2 axes, or channel.
Display Color	Freely changeable graph by graph
Titles and Labels	Sets a desired title and labels for X and Y axes.
Number of Simultaneously Displayed Windows	
	32 numeric windows and 32 graph windows.
	64 in total. (Including reproduced data windows.)
	*However that the number of windows may be restricted by the CPU speed and memory of the PC.
Size of Data Files Available on a Single Screen	
	Size of the data file displayed at a time on graph and numeric windows is maximum 10 MB. If the file size exceeds 10 MB, 10 MB data of a desired portion is displayed by setting the range.
File Conversion	
	Desired range or data of a desired channel is extracted and converted to CSV, XLS, XLSX, or RPCIII format file.
Auxiliary Lines	
	Capable of displaying the desired auxiliary lines on the Y-time Graphs (X axis and Y axis), X-Y Graphs (X axis and Y axis), and Bar Graphs (X axis and Y axis). (Up to 4 auxiliary lines each for both X axis and Y axis.)

Max., Min., and Average	Capable of displaying the maximum value/minimum value/average value within the window on the Y-time Graphs. (Capable of displaying the maximum value/minimum value/average value when the number of channels is 1 or 2.)
Dual-display	Capable of moving the Numeric windows or Graph windows onto the sub display.

PCD-400A/430A control specifications See page 3-97

UCAM-550A control specifications See page 3-40

NTB-500C control specifications See page 3-43

EDX-100A control specifications See page 3-83

EDX-200A control specifications See page 3-75

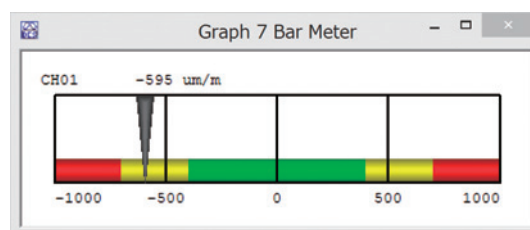
EDX-5000A control specifications See page 3-87

EDX-10 Series control specifications See page 3-69

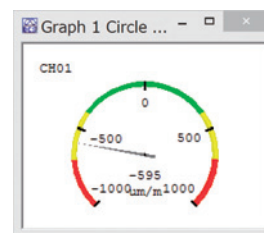
CTRS-100 Series control specifications See page 3-57

Meters

Displays an arbitrary 1 channel data on bar meter or circular meter while monitoring data. Desired portions are displayed in desired color for easy discrimination.



Horizontal bar meter



Circular meter normal display

Basic Operation Window

Menu bar

Each menu option provides a pulldown menu and changes depending on software operating status.

Measuring conditions

Measuring modes, sampling frequencies, etc.

Function keys

Enables to have any desired functions assigned for easy access.

Toolbar

Provides icons of frequently used options for easy selection.

List of channels

Easy selection of channels to be displayed on the graph window. To select, drag desired channels to the graph window.

Data window

Shows numeric windows and various types of graph windows in free combination.

Status bar

Indicates the present status such as interval or trigger measurement, date, and time.

Operating panel

Provides MONITOR, REC/PAUSE, STOP, BAL and CAL buttons.