# Digital Linear Converter

DLC-500 $C\epsilon$

- ● Correct linearity of voltage output from all sensors
- ● Connect PC with USB with free software and it is possible to
  - ・observe wave
  - ・correct linearity
  - ・store data as csv data
- ● Digital zero
- ● The CH-500 (Expansion Unit) connection has
  - ・Two comparators
  - ・Hold function (bottom, peak, amplitude)
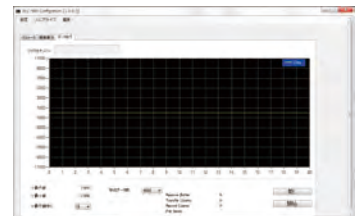- ● Fast sampling 16kHz

PRIMARY USE

Change the linear displacement of the wire sensor to the angle

Straight line
Wire sensor
Angle
DLC-500
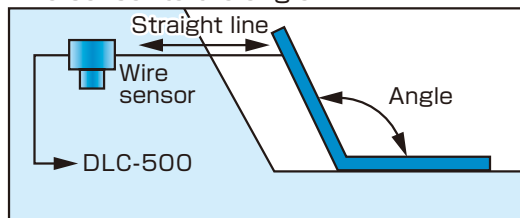
Measurements and waveform observation
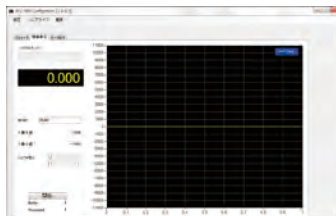
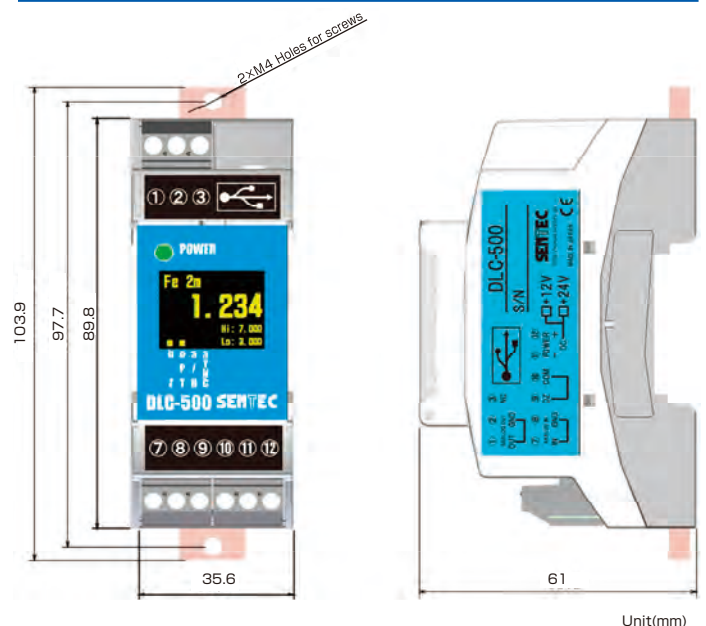Save waveform measurement as CSV data

SPECIFICATIONS

MODEL	DLC-500-□□*2
DISPLAY	Organic EL display device (Display color: yellow) Measurement display, status display
INDICATOR LIGHTS	Power indicator: POWER (green)
METHOD OF OPERATION	Successive approximation method Sampling 62.5μ16kHz
MEAN VALUE PROCESSING	Simple average, moving average (2-1024 times)
ANALOG INPUT	0～10V(14bit)
ANALOG OUTPUT	±10V(16bit)
DIGITAL LINEAR	Up to 21-point correction, 2 pattern memory*3
DIGIRAL ZERO	The zero input and hold value
AMBIENT TEMPERATURE	-10～+60℃
AMBIENT HUMIDITY	35～85%RH, Non-condensing
POWER-SUPPLY VOLTAGE	DC+12V or DC24V± within 10%, ripple rate of 10% or less
CONSUMPTION CURRENT	60mA or less (DC24V at the time)
MOUNTING METHOD	DIN rail, screws (M4 × 2 pcs.)
EXTERNAL INTERFACE	USBminiB Connect with PC installed with free dedicated software via USB 1.Setting each parameters DLC-500 2.Setting linearization and maximum voltage output 3.observing measurement values and waves 4.storing logged data as csv*4

(*1)Analog input terminal or bus connector
(*2)Please select the power supply DC12V or DC24V when ordering. ex) DLC-120-12
(*3)Modifiable when connecting with PC
(*4)The number of the storable data is 40,000 digit / second at most.

DIMENSIONS

2×M4 Holes for screws

103.9
97.7
89.8
35.6
61

Unit(mm)

FREE SOFTWARE

Downloads http://www.sentec.jp/products/other/equipment.html/

SYSTEM CONFIGURATION EXAMPLE