

Multi Channel Data Logger / Scope – “LoggerScope”



What is “LoggerScope” ?

Oscilloscopes & Data Loggers are the most important test equipment's used for Monitoring, Analysis, Testing & Trouble Shooting of electronic circuits and control systems.

Conventional data loggers are generally of 8 or 10-bit resolution with low sampling rate of 1 to 10 samples/sec. Further these data loggers are dedicated to monitor specific type of signals like temperature, humidity, pressure etc.,.

Although analog or digital scopes are available in the market with high sampling rates (up to 1Gs/s), but can monitor only 2 channels and can not store data for long intervals.

“LoggerScope” was developed by **BaHN** to bridge the two extremes. It can monitor / store data from 8 or 16 or 32 channels simultaneously at high sampling rates with measurements & GUI features of an oscilloscope.

Benefits from “LoggerScope”

Monitor and store data from 8 or 16 or 32 channels simultaneously

Proven USB based NI DAQ hardware

16-bit Resolution, 250KS/s or Higher

Simple Graphic User Interface (GUI) Powerful & flexible software with all features configurable by user

Unique “**Process Time Meter**” concept for optimum performance

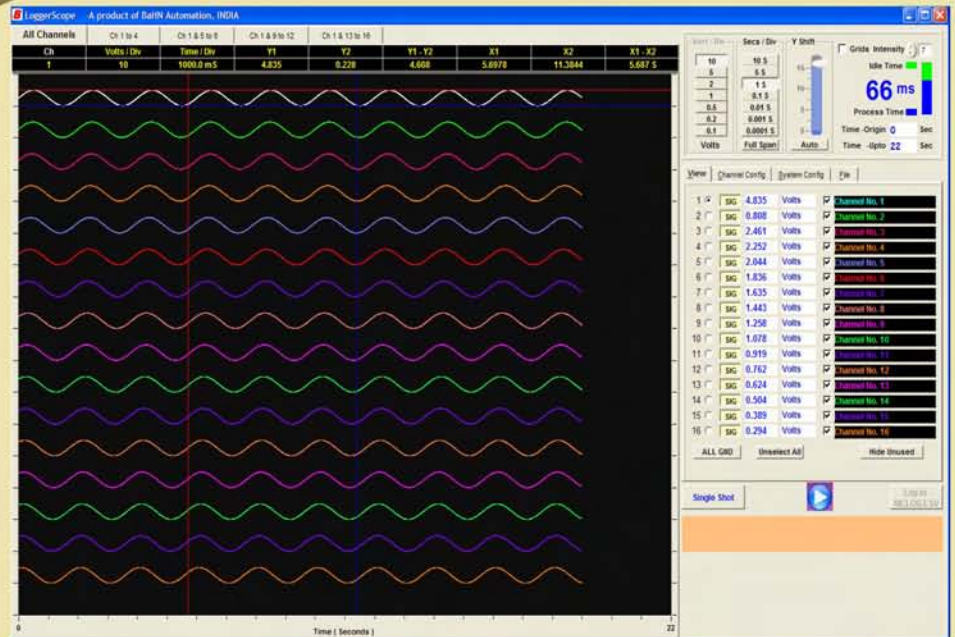
Settable sampling rate based on number of channels monitored and their bandwidth

Storing and retrieval of acquired data of all channels in CSV file format

Pan / Zoom options for analysis of plotted channels

Industrial grade construction & portable

Multi Channel Data Logger / Scope – “LoggerScope”



Main Features

Based on NI USB DAQ hardware, 16-bit ADC, 250kS/s or higher

Simultaneous monitoring 8 / 16 / 32 channels and up to 6-pages of display channels

Number of channels / page, sampling rate, update time etc., can be configured

Extensive configuration features for plot channels viz Plot channel name, colour, style and background colour

Extensive analysis features for plot channels viz Pan, zoom and X / Y-axis measurements

Roll mode or single shot mode of operation with full span option

Storing / retrieval of acquired data from all channels in CSV file format

PC Monitor as Graphical User Interface (GUI)

Technical Specifications

No. of channels : 8 / 16 / 32

Input Signal Levels : -10V to +10Vdc

Sampling Rate : 0.01 to 250,000 Samples / sec or Higher

Log Duration : Limited only by PC Storage Capacity

Volts / Divn. : 0.1V to 10V

Secs / Divn. : 0.1s to 10s

Number of Pages : 6

No. Channels /Page : 1 to 16

Operating Mode : Roll / Single Shot

Y-shift : Auto / Manual

Dimensions : 300(w) x 250(d) x 85(h) in mm

Input Supply : 230Vac, 50Hz. 1-Ph