

Carpet Data Logger

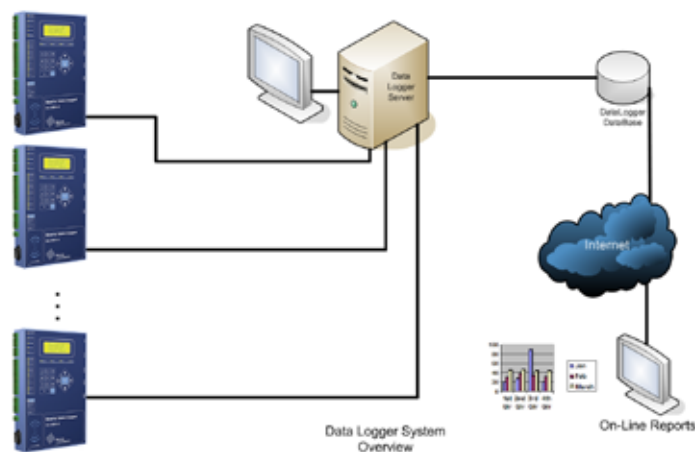
Monitor your production line with your personal computer online

Booria Data Logger is a data acquisition system which simply gathers the information about a system or process. It is a core tool to the understanding, control and management of such systems or processes. Parameters information such as efficiency, machine speed, weft insertion rate, yarn breakage, temperature and humidity are gathered and demonstrated to the factory decision makers.

By using this powerful data acquisition system all your monitoring tasks are done faster, more accurate, more flexible with less effort and complexities which always accompanied by this important task.

Booria Data Logger accompanied by an advance software solution which enables managers to monitor their whole production line while traveling with their lap tops. This software not only provides, the required data at the real time, but also provides you technical reports for further usage and future actions.

Reports can be generated for personnel activities, machine parameters, process efficiency, mill condition and so on. All the reports are gathered in a relational database which will be analyzed by an On-line application for data mining and report generation. The reports are real time and will give the control of the mill to its managers.



Datalogger system is scalable for factories of different sizes and thanks to its flexible data transmission you can build a network of dataloggers with the ethernet LAN networks or industrial CANBus Network.

Mill View:

The most important real time analysis tool in **Booria Data Logger** software is the Color Mill. On this color coded Layout of the mill the machines are pictured in a number of colors, each color indicating a certain machine status or alarm condition.

Film Report:

The film report is the result of an automatic machine activity sampling carried out by **Booria Data Logger** on user definable time intervals, the film report makes a complete machine diagnostic and shows whether efficiency losses were due to one long stop or were caused by several short stops.

Booria Data Logger supports both ways of data monitoring: Real time data acquisition and data logging. By using these systems you can use data acquired from sensors immediately or within a short period of time, Real time data acquisition, or store them for further or future usage, Data logging.

This advance system is a Stand alone solution which will monitor your whole production line. Dedicated data logger has many advantages over PC based alternatives for the bulk of data acquisition tasks. These include low power operation, cost saving and security of data in the event of power or communications failure.



Features...

- :: Stand alone & Real Time Data logger
- :: 2 analog input channel
- :: 16 Digital input channel
- :: 4 Digital output channel
- :: 1 Dedicated Counter channel
- :: 8 bit Dedicated Binary Counter Input option
- :: Embedded Digital Temperature and Humidity Sensor
- :: Remote monitoring & control
- :: MMC interface for removable Data storage
- :: Removable screw terminals
- :: CAN Bus /RS 484 / RS 422 interface
- :: TCP/IP Interface option
- :: 4x20 character LCD
- :: 16 key keypad
- :: Contact less RF ID Card reader option

Analog Input

- :: 2 Channel analog input. $\pm 10v$, $\pm 1v$, $\pm 100mv$, $\pm 10mv$ input for Channel1 (Select by jumper) and $\pm 10v$ for Channel2::
- :: 8 to 10 bit resolution
- :: Up to 1k sample per second

Digital I/O

- :: 16 Channel Opt. isolated common ground digital input
- :: 4 Channel normally open digital output
- :: 8 bit Dedicated Digital Binary Counter Opt. Isolated Input option

Alarms

- :: Programmable alarm relay output (N.O. & N.C.)
- :: Digital Input event, Temperature, Humidity, Analog High/Low within range and outside range

Data Storage

- :: Using Windows FAT16 file System for storing data
- :: Logging Data to memory using standard ASCII text file in case of losing connection with server
- :: Up to 3/300/000 Data point with 128 MB MMC

Networking

- :: TCP/IP option
- :: CAN BUS
- :: RS 485/ RS 422

RS 485/ RS 422

- :: For Pear to Pear Connection
- :: 38 k baud

CAN BUS

- :: CAN controller AT90CAN128 , CAN 2,0 A/B
- :: CAN interface electrically isolated & designed acc. To ISO 11898
- :: Bit rate up to 1M bit/s

TCP/IP

- :: Supporting ARP, UDP, TCP, ICMP, Telnet, TFTP, AutoIP and DHCP
- :: SNMP for network communication and management
- :: IP for addressing, Routing and Data Block handling over the network
- :: SMTP for Email transmission

Real Time Clock

- :: For time stamping of Data
- :: Resolution : 1Second

Power Supply

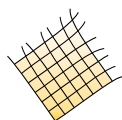
- :: AC 100-240v Auto Adjust

Environmental Operation

- :: Temperature range -45c to 70c

Options

- :: TCP/IP Interface
- :: Contact less RF ID card reader
- :: 8 bit Dedicated Digital Binary Counter Input



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