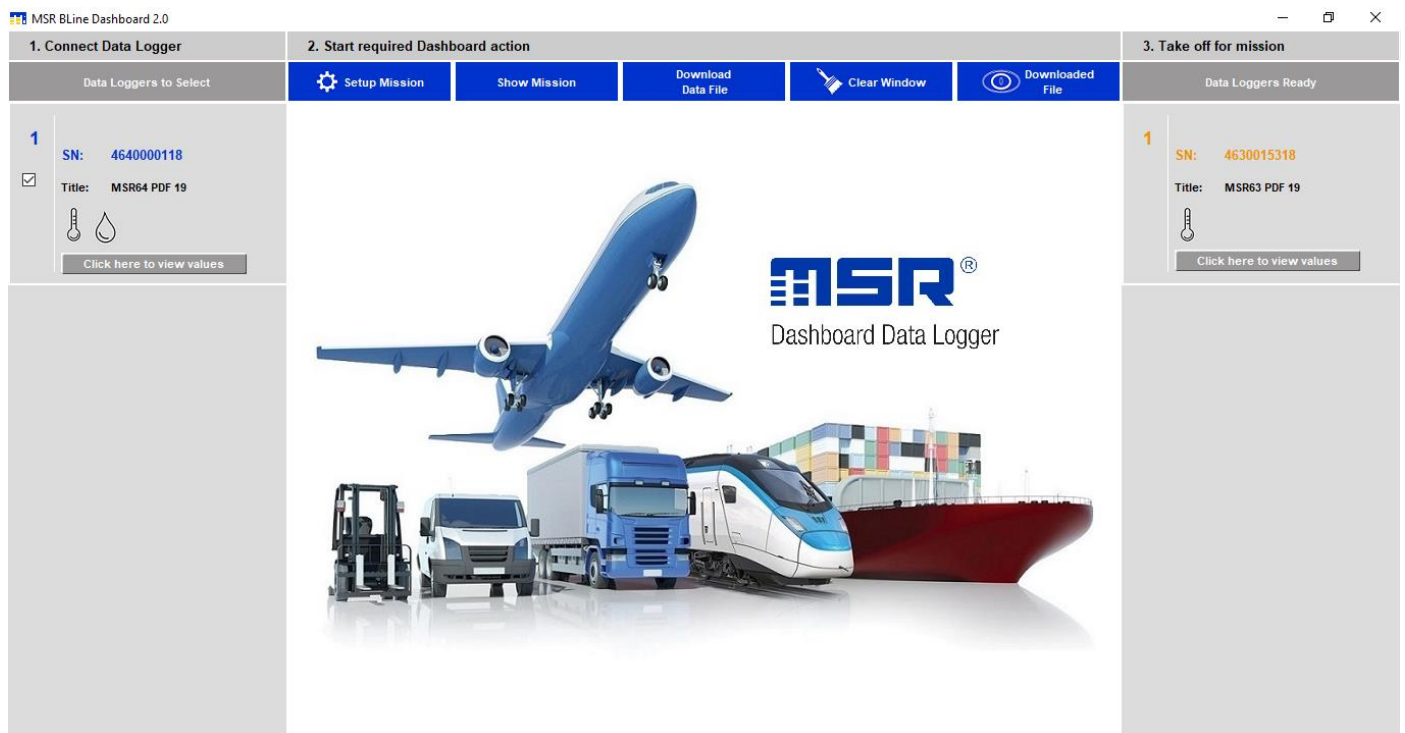




BudgetLine Dashboard 2.0 Software

Quick Start Guide



This quick start guide will help you to install MSR BLine Dashboard 2.0 Software, configure data loggers and retrieve recorded readings from it

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Content:-

- Introduction
- Requirements
- Software Installation
- Starting MSR Bline Dashboard 2.0
- Connect Data Logger
- Setup Mission
- START Data Logger
- STOP Data Logger
- PDF Generation
- Download Data File
- View & Open Data File
- MSR BLine Data Analysis
- Menu Overview
- Contact Us

sales@msr.chwww.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Introduction:-

MSR BudgetLine: Reusable PDF Data Loggers for Temperature and Relative Humidity



MSR63 temperature data logger (-30 to +70°C)

MSR64 temperature & humidity data logger (-30 to +70°C | 0 to 100% RH)



MSR83 temperature data logger (-30 to +70°C)

MSR84 temperature & humidity data logger (-30 to +70°C | 0 to 100% RH)

Low cost PDF data loggers for transport and storage

MSR BudgetLine data loggers reliably document the temperature and humidity of sensitive goods, such as pharmaceuticals, chemicals and food.

Features:-

- high accuracy & reading resolution
- two secured START & STOP buttons
- sleek, robust & tamper proof case
- easy plug n play operation
- Auto generated PDF report
- Integrated USB Plug
- 6-point-calibration certificate and software included
- Free MSR BLine Dashboard 2.0 Software

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



Requirements:-

To use MSR BudgetLine PDF USB data loggers & Software, you will require following items:

- MSR BLine Software
- One or more data loggers

You can download Software from:

<https://drive.google.com/file/d/1bRJpR4nCjWcmpjPuBLiPAiefnr9hAo1Q/view?usp=sharing>

Software Installation:-

Important Note: To install MSR BLine Software, you will need to have Windows Administrator Access right on the PC you are using

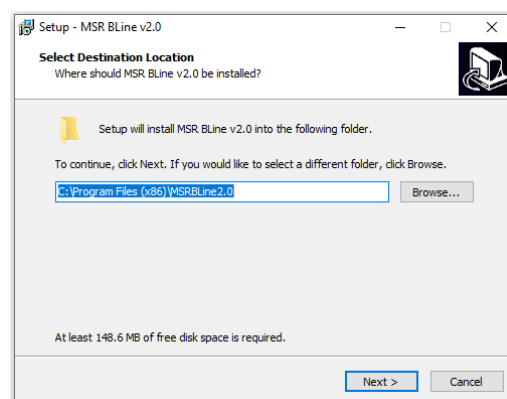
- Click on below link to download MSR BLine Software:

<https://drive.google.com/file/d/1bRJpR4nCjWcmpjPuBLiPAiefnr9hAo1Q/view?usp=sharing>

- Double-click on **MSRBLine Setup.exe** to start window installer

Name	Date modified	Type	Size
MSRBLine2.0 Setup	05-02-2021 14:13	Application	46,024 KB

- You will be asked to select destination location where you want to install the software (we recommend you use the default installation path). Once you have made your choices, click **Next**, then **Install**
- After successful completion of installation, click **Finish** and restart your computer



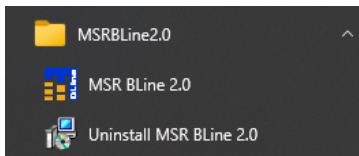


BudgetLine Dashboard 2.0 Software

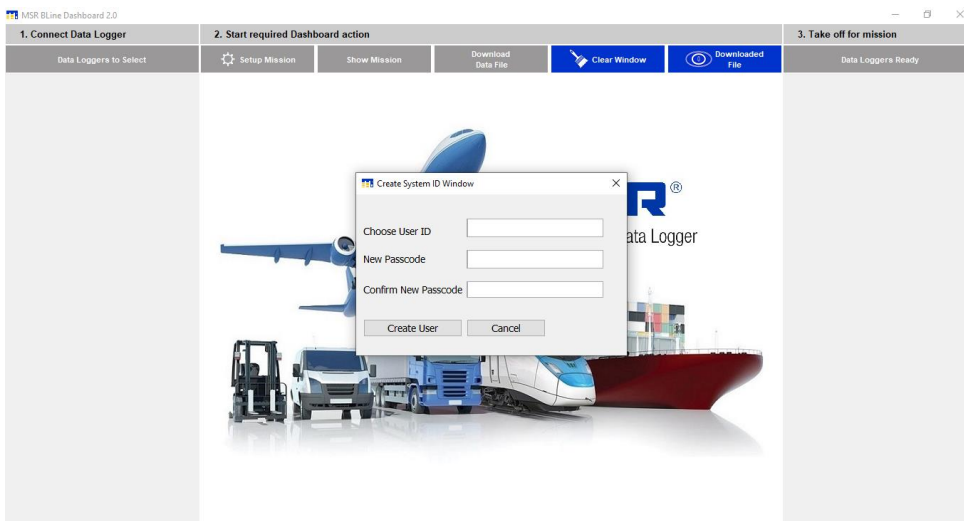
Quick Start Guide

Starting MSR BLine Dashboard 2.0:-

You can start the software by going to START >> All Programs >> MSR BLine >> MSR BLine



The first time you run software you will be prompted to create User ID & Passcode


sales@msr.ch
www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Connect Data Loggers:-

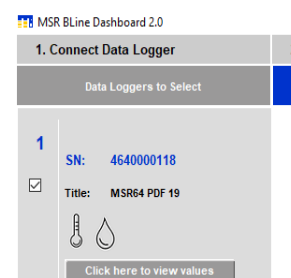
MSR BudgetLine PDF USB Loggers are available with integrated USB 2.0 A-Type plug. Hence, no additional hardware or cable is required to connect logger with PC

Note: Logger will be STOP automatically after 10 seconds when connected with PC. You can also STOP logger manually by pressing STOP button continuously for 5 seconds

Open MSR BLine Software, the serial number of connected data loggers will appear in the left column of MSR BLine Software



Click on square to select connected data loggers for 'Setup Mission' or 'Download Data File'



sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Setup Mission:-

Click on  to Configure data logger

Enter Title, Start Delay Time, Logging Interval, Time Zone, High & Low Alarm Limits and click on **Configure**

By configuring logger; last recorded readings saved in its internal memory will be erased automatically. Click **Yes** to continue

sales@msr.ch

www.msr.ch

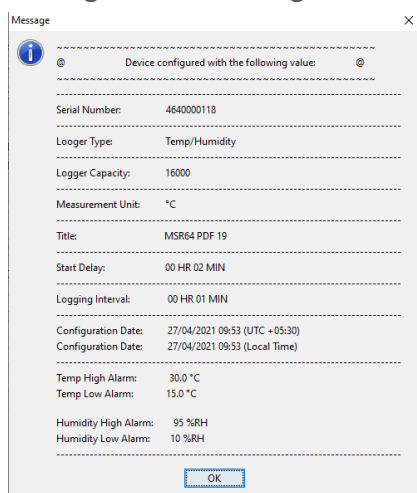


BudgetLine Dashboard 2.0 Software

Quick Start Guide

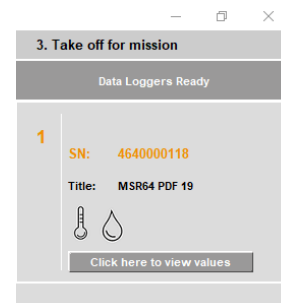
Setup Mission:-

Message 'Device configured with following values' will be shown



Verify set parameters and click OK

Configured data logger will appear on right column 'Take off for mission – Data Loggers Ready' till it is disconnected from the USB port of PC



On disconnecting logger, Green & Red LED will start flickering and at the end Green LED will be ON for a second indicating configuration of logger is completed successfully. .

To check configuration is completed successfully:-

Press 'START' button of logger for once; twice blink of Green LED indicate configuration is completed successfully

Logger with display will continuously indicate current reading only (START | STOP | RUN | OKAY will be Not Shown on Display)

Note:

FailSafe Logging will be automatically started after the configuration of logger. This help receiver to get recorded readings from logger even if sender forget to press START button while activating logger

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

START Logger :-



Check Status of Logger:

Press START button once and check LED indication

LED Indication	Logger Status
Green LED Flashes Twice	Waiting to START (Press to START button for 5 seconds to START)
Green LED Flashes Once	STARTED (in delay start mode)
Green LED Flashes Once	Logging – OK (No Alarm Condition)
Red LED Flashes Once	Logging – Alarm Condition
Red LED Flashes Twice	STOPPED

START Logger:

- Keep START button pressed continuously for 5 seconds to start logger
- Then Green LED and Red LED will start flickering, Green LED will be ON for 1 second confirming logger has been started successfully

Note: Do Not Use Logger if START is not shown on display and LED is not ON after pressing START button for 5 seconds

sales@msr.ch

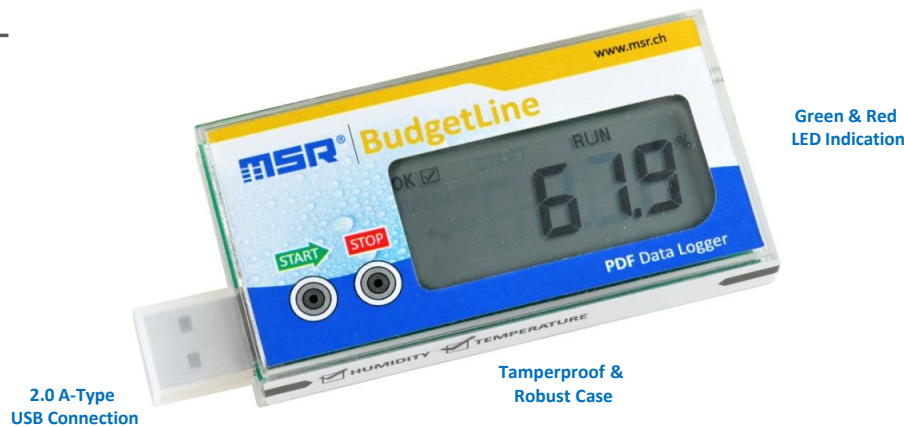
www.msr.ch



BudgetLine Dashboard 2.0 Software

Quick Start Guide

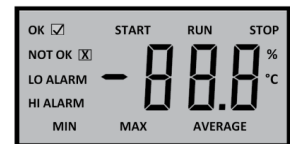
START Logger :-



Check Status of Logger: During Recording [RUN] & Stop [STOP] mode, press START button once to view MIN | MAX | AVERAGE values

Display Indication:

Only Current Reading	Not Started
START	Waiting to START recording (in delay start mode)
RUN	Started Recording
STOP	Recording is Stop
OK	No Alarm Condition
NOT OK	LO HI Alarm Condition



Multi-Function LCD Display

Start Logger:-

- Initially current reading will be shown on display before starting logger
- Keep START button pressed continuously for 5 seconds to start logger
- Then Green LED and Red LED will start flickering, Green LED will be ON for 1 second confirming logger has been started successfully
- Display will indicate START till delay start time is over
- After completion of delay start time, display will indicate RUN & current reading confirming logger has been started successfully

Note: Do Not Use Logger if START is not shown on display and LED is not ON after pressing START button for 5 seconds

sales@msr.ch

www.msr.ch

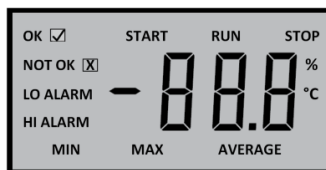
원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Multi-Function LCD Display



Logger Status



Waiting to START
Press START button continuously
for 5 seconds to start logger



Logger is STARTED
Logger is waiting till
delay start time is completed



Logger is in Recording Mode



Logger is in STOP Mode
Press STOP button continuously
for 5 seconds to stop logger

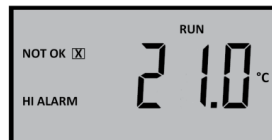
Alarm Status



OK - No Alarm Condition



Low Alarm Condition



High Alarm Condition



Low & High Alarm Condition

Min/Max/Avg Values

During Recording or Stop
Mode, Press START button
Once to view all values



Minimum



Maximum



Average

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

STOP Logger:-

To stop recording, press 'STOP' button continuously for 5 seconds till Red LED is ON

Note: Logger will be automatically STOP after 10 seconds when connected with the USB port of PC

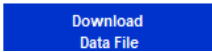
PDF Generation:-

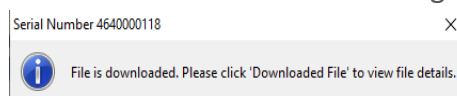
After stopping, when the logger is connected for first time to USB port of the computer, both LEDs (GREEN & RED) will start flashing to show the PDF generation is in process **Do Not Disconnect Logger until both LEDs (GREEN & RED) are ON continuously, which indicates PDF is ready**

Then folder containing PDF will open automatically. Double click to open Copy and Save As PDF file to desired location. Once the PDF is generated, whenever the logger is connected to USB port of the computer, both LEDs (GREEN & RED) are ON continuously, which indicates logger is in stop mode and PDF is already generated

Download Data File:-

Connect logger with the USB port of PC and open MSR BLine Software. The serial number of connected data loggers will appear in the left column of MSR BLine Software. Click on square to select connected data loggers for 'Download Data File'

Click on  to download recorded readings from data logger. On successfully completion of download process, data file will be automatically saved in Documents > MSR > data and a message File is downloaded. Please, click 'Downloaded File' to view file details.



sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

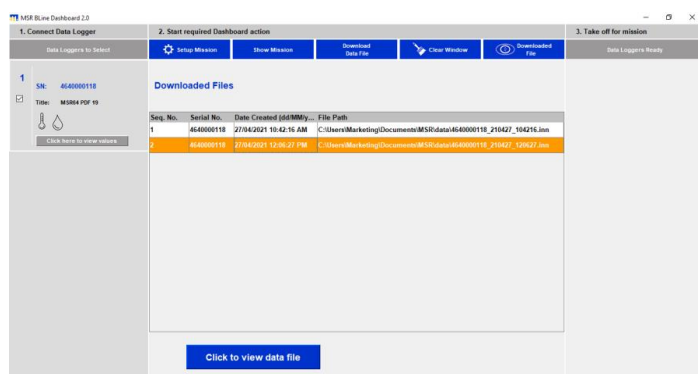


BudgetLine Dashboard 2.0 Software

Quick Start Guide

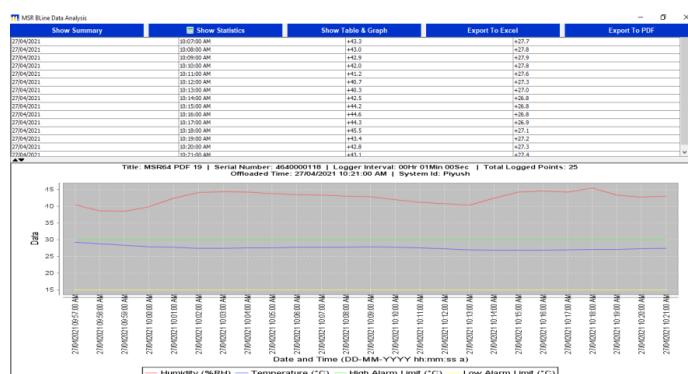
View & Open Data Files Downloaded from Logger:-

Click on  **Downloaded File** to view all downloaded data files from loggers



Select downloaded data file from list
& 'Click to view data file'

'MSR BLine Data Analysis' window will be open. Data is initially presented as a graph + table readings but can also be displayed as individual graph or table of readings if required. These views are supplemented with summary view and statistical view



sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제2차 원문 자료입니다. 사양은 제2차 사양에 따라 변경될 수 있습니다.

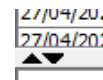


BudgetLine Dashboard 2.0 Software

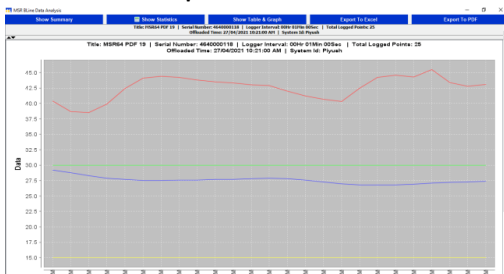
Quick Start Guide

MSR BLine Data Analysis :-

click upper or lower arrow  to view graphical view & tabular view



Graphical View



Tabular View

[illegible]

For Summary view, Click on [Show Summary](#)

For Statistical view, Click on  Show Statistics

Show Summary	Show Statistics	Show Table & Graph	Export																												
Summary Report																															
Host Date & Time Format (C/D/M/Y/YYYY) (hostname.a) Device Information (Factory Settings) <table> <tr> <td>Device</td> <td>Tk-logger</td> </tr> <tr> <td>Serial Number</td> <td>48-00000118</td> </tr> <tr> <td>SID</td> <td>HISDA-KOP_18</td> </tr> <tr> <td>Memory Capacity</td> <td>10000</td> </tr> </table> Device Setup Information <table> <tr> <td>Logger Interval</td> <td>00H 01Min 05Sec</td> </tr> <tr> <td>High Alarm Limit (%)</td> <td>30.0</td> </tr> <tr> <td>Low Alarm Limit (%)</td> <td>13.0</td> </tr> </table> Recorded Data Information <table> <tr> <td>Factory Configuration Date</td> <td>15/12/2020</td> </tr> <tr> <td>Total Logged Points</td> <td>25</td> </tr> <tr> <td>Total Selected Points</td> <td>25</td> </tr> <tr> <td>Start After</td> <td>00H 02Min 05Sec</td> </tr> <tr> <td>Stop After</td> <td>When Full</td> </tr> <tr> <td>Logger Configuration Date</td> <td>27/04/2021 09:13:00 AM</td> </tr> <tr> <td>Calibration Time</td> <td>27/04/2021 09:13:00 AM</td> </tr> </table>				Device	Tk-logger	Serial Number	48-00000118	SID	HISDA-KOP_18	Memory Capacity	10000	Logger Interval	00H 01Min 05Sec	High Alarm Limit (%)	30.0	Low Alarm Limit (%)	13.0	Factory Configuration Date	15/12/2020	Total Logged Points	25	Total Selected Points	25	Start After	00H 02Min 05Sec	Stop After	When Full	Logger Configuration Date	27/04/2021 09:13:00 AM	Calibration Time	27/04/2021 09:13:00 AM
Device	Tk-logger																														
Serial Number	48-00000118																														
SID	HISDA-KOP_18																														
Memory Capacity	10000																														
Logger Interval	00H 01Min 05Sec																														
High Alarm Limit (%)	30.0																														
Low Alarm Limit (%)	13.0																														
Factory Configuration Date	15/12/2020																														
Total Logged Points	25																														
Total Selected Points	25																														
Start After	00H 02Min 05Sec																														
Stop After	When Full																														
Logger Configuration Date	27/04/2021 09:13:00 AM																														
Calibration Time	27/04/2021 09:13:00 AM																														

Statistical Data Selection

☒ Statistical data of full cycle
☐ Statistical data of partial cycle

Data From: Time
 Data To: 1000

Activation Energy H for MKT: 83.14472 kJ/mol
 (Value should be >= 60 and <= 100)

Humidity lower limit: 0
 Humidity upper limit: 100
 Temperature lower limit: 0
 Temperature upper limit: 100

Show Statistical Data Cancel

select time cycle and enter upper and lower limits for calculation and click **Show Statistical Data**

MSR BLine Data Analysis

Show Summary Show Statistics Show Table & Graph Export

Statistics Report

Note: Date & Time format (DD/MM/YYYY hh:mm:ss a)

Title: MSR64 PDF 19 | Serial Number: 464000118 | Logger Interval: 00h 03m 05sec | Total Logged Points: 25
 Offloaded Time: 27/04/2023 10:21:00 AM | System ID: Piyush

Statistical Data from: 27/04/2023 09:57:00 AM To: 27/04/2023 10:21:00 AM
 Total Statistical Points: 25 | Total Time: 00h 23m 05sec

Humidity (%RH)

Maximum Humidity: +45.5
 Minimum Humidity: +38.5
 Average Humidity: 42.5
 Standard Deviation of Humidity: 1.8
 Number of points for Humidity below lower limit 10 : 0 (Time: 00h 00m 00Sec)
 Number of points for Humidity above upper limit 90 : 0 (Time: 00h 00m 00Sec)
 Number of points for Humidity between 10 and 90 : 25 (Time: 00h 23m 05Sec)

Temperature (°C)

Maximum Temperature: +29.2
 Minimum Temperature: +26.8
 Average Temperature: 27.6
 Standard Deviation of Temperature: 0.6
 Mean Kinetic Temperature: 27.6
 Number of points for Temperature below lower limit 15 : 0 (Time: 00h 00m 00Sec)
 Number of points for Temperature above upper limit 30 : 0 (Time: 00h 00m 00Sec)
 Number of points for Temperature between 15 and 30 : 25 (Time: 00h 23m 05Sec)

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제2사 원문 자료입니다. 사양은 제2사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Menu Overview:-

MSR BLine Dashboard 2.0

1. Connect Data Logger:-

View & connected data loggers on the USB port of PC. Select data logger to Setup Mission or Download Data File

2. Start required Dashboard action:-

 Setup Mission	 Show Mission	 Download Data File	 Clear Window	 Downloaded File
---	--	--	--	---

Setup Mission:	To set parameters and configure logger
Show Mission:	To view pre-programmed parameters of logger
Download Data File:	Download recorded data from logger
Clear Window:	Close active window
Downloaded File:	To view & open all available downloaded data files

3. Take off for mission:-

View list of configured data loggers after completion of 'Setup Mission'

MSR BLine Data Analysis

 Show Summary	 Show Statistics	 Show Table & Graph	 Export To Excel	 Export To PDF
--	---	--	---	---

Show Summary:	To view summary report of data (Minimum / Maximum / Average / Mean Kinetic Temperature)
Show Statistics:	To set upper / lower limits and view statistical data
Show Table & Graph:	To view data in tabular + graphical format
Export To Excel:	Export data to Excel Sheet
Export To PDF:	Export data to PDF with time period selection

sales@msr.ch

www.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



BudgetLine Dashboard 2.0 Software

Quick Start Guide

Contact Us:-

Please, do not hesitate to communicate should you require any further information / assistance, we are placed entirely at your disposal for our services.

**MSR Electronics GmbH**

Mettlenstrasse 6

8472 Seuzach

Switzerland

T: +41 52 316 25 55 | E: sales@msr.ch | W: www.msr.chsales@msr.chwww.msr.ch

원문: MSR MSR84 소프트웨어 설명서 · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.