

# MSR BudgetLine PDF USB Loggers



Part No: **MSR63** Temperature Logger

Part No: **MSR64** Temperature + Relative Humidity Logger

MSR BudgetLine data loggers are most accurate; intelligent and economical loggers specially designed to monitor and record temperature | relative humidity conditions of perishable products. Sleek design with robust casing has an advantage of placing it easily with products to monitor actual condition. Bright Green & Red LEDs for easy identification of in-transit alarm condition for the receiver.

Integrated USB 2.0 A-Type plug and advance on-board processor eliminates need of proprietary software & hardware for an independent PC interface at the receiver end. Unit will automatically create a tamper-proof secured & unalterable Adobe PDF report of recorded in-transit readings. This PDF Report includes Graphical view, Table of Readings view & Statistical view showing Minimum, Maximum, Average, MKT values, etc... Accuracy of logger is certified by traceable Calibration Certificate available in its internal memory to meet requirements of receiver quality assurance team.



Green & Red  
LED Indication

2.0 A-Type  
USB Connection

## 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

## 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

## Stop Logger:

- Keep STOP button pressed for 5 seconds to stop logger

**Note:** Logger will be stop after 10 seconds when connected with 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

MSR Budget Line  
www.msr.ch

## MSR 84 Report



### Device Information (Factory Settings)

Model: MSR 84 ID: Transit Study  
Serial Number: 7840000718 Memory Capacity: 16000

### Device Setup Information

High Alarm Limit (deg C): 25.0 High Alarm Limit (%RH): 95.0  
Low Alarm Limit (deg C): 15.0 Low Alarm Limit (%RH): 10.0  
Reference Time Zone: UTC +05:30 Start After: 10 Min  
Logging Interval: 15 Min

### Recorded Data Information

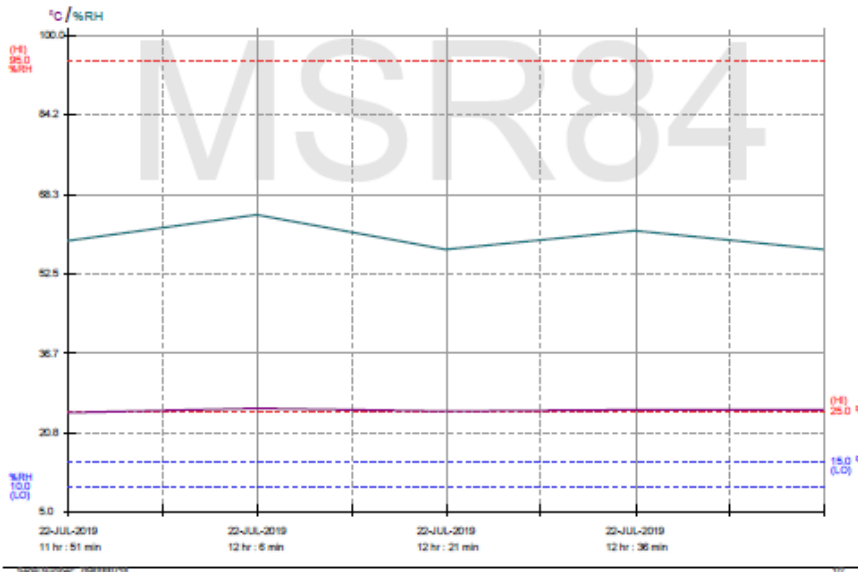
Factory Configuration Date: 19-JUN-19 11Hr: 22Min Start Time: 22-JUL-2019 11Hr: 51Min  
Logger Configuration Date: 22-JUL-19 10Hr: 37Min Stop Time: 22-JUL-2019 12Hr: 51Min  
Total Logged Points: 5 Battery Status on 22-JUL-2019 12Hr: 57Min: 331 days remaining

### Temperature

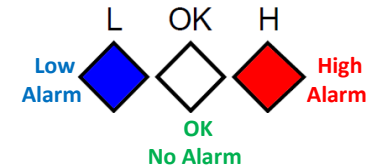
Minimum Temperature (deg C): 24.9  
Maximum Temperature (deg C): 25.6  
Average Temperature (deg C): 25.3  
Mean Kinetic Temperature (deg C): 25.3  
Number of points below low alarm: 0 (Time: 0Day 0Hr 0Min)  
Number of points above high alarm: 4 (Time: 0Day 1Hr 0Min)  
Number of points within range: 1 (Time: 0Day 0Hr 15Min)

### Humidity

Minimum Humidity (%RH): 57.4  
Maximum Humidity (%RH): 64.3  
Average Humidity (%RH): 59.9  
Number of points below low alarm: 0 (Time: 0Day 0Hr 0Min)  
Number of points above high alarm: 0 (Time: 0Day 0Hr 0Min)  
Number of points within range: 5 (Time: 0Day 1Hr 15Min)



### Alarm Status



Sr	Date	Time	°C	
1	4-JUN-2019	16hr: 16min	24.5	Readings with No Alarm
2	4-JUN-2019	16hr: 17min	20.8	
3	4-JUN-2019	16hr: 18min	18.7	
4	4-JUN-2019	16hr: 19min	15.4	
5	4-JUN-2019	16hr: 20min	12.6	Readings Below Low Alarm Limit
6	4-JUN-2019	16hr: 21min	12.6	
7	4-JUN-2019	16hr: 22min	13.0	
8	4-JUN-2019	16hr: 23min	20.0	
9	4-JUN-2019	16hr: 24min	20.4	Readings Above High Alarm Limit
10	4-JUN-2019	16hr: 25min	20.8	
11	4-JUN-2019	16hr: 26min	21.6	
12	4-JUN-2019	16hr: 27min	27.2	
13	4-JUN-2019	16hr: 28min	27.7	Readings Above High Alarm Limit
14	4-JUN-2019	16hr: 29min	28.6	

## 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.

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