

Easy-to-Use  
Production Visualization Tool

# MIERUZZO EVENT LOGGER M13-101

8 Event Inputs

2 Count Inputs

Internal Clock

USB Memory



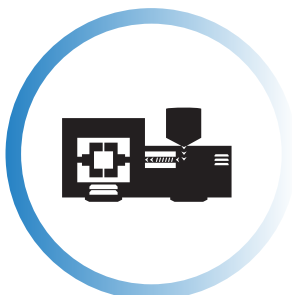
\*M13-101 works with:

- Production Monitoring Software
- Basic Monitoring Software **FREE!**

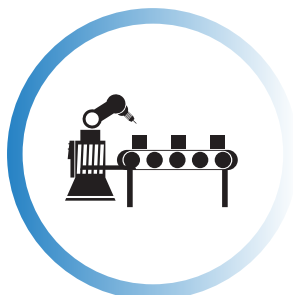
## Make Production Visible to:

- Identify Hidden Problems
- Increase productivity
- Maximize Asset Utilization
- Minimize Downtimes

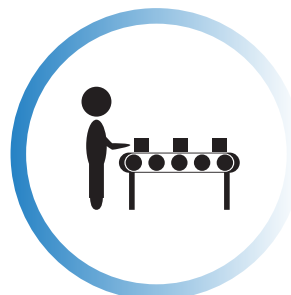
## MEL\* provides visualization in:



**Machines, Equipments**  
identify utilization and efficiency  
identify causes of downtime



**Automated Assembly**  
stabilize throughout identity  
causes of downtime



**Manual Assembly**  
determine productivity identify  
causes of rejects



**Production Floor**  
monitor productivity identify  
problem areas

## SYSTEM OVERVIEW:

Using **Mieruzzo Tools and Software**, making the production activities visible and available for analysis is done in 3 Easy steps:

### 1 Gathering Data Inputs from Machinery and/or Equipment Machine / Equipment

- Press Machine
- Molding Machine
- Winding Machine
- Other Processing Machines

### Data Inputs Acquired

- State [ON/OFF] Input
- Equipment ON Time
  - Productive Time
  - Breaktime
  - Work Time
- Set-up Time
  - Others can be assigned to downtime reasons, rejects, production status etc.

### Count Input

- Total Quantity
- Reject
- Good

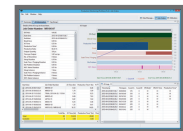
### 2 Record Data Inputs via the Mieruzzo Event Logger

Production data is recorded in the Mieruzzo Event Logger: **M13-101 [MEL]**  
Software manages the time and duration of state inputs (work time / production time / downtime / setup time etc.).



### 3 Create Summary via the Mieruzzo Software

1. Worktime and downtime status can be summarized in various conditions using tag information such as: **Machine, Product, Material, Operator** etc.
2. Work data for each Job Order can be saved in Microsoft Excel (.XLS) or .CSV format. This can be used as a daily work report.



\*MS/Microsoft is a trademark of Microsoft Group of Companies

## SOFTWARE:

### M13-501 Basic Monitoring Software [BasiMon]

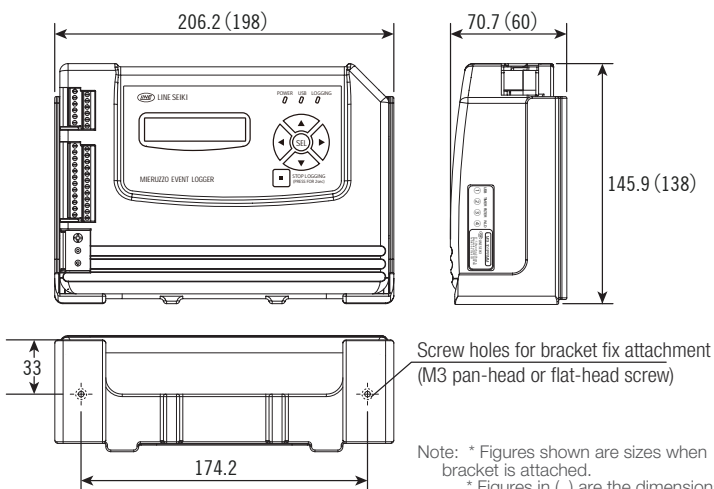
**BasiMon** is a free software which enables you to download and save production data collected by **MEL**. Using this software, data can be viewed as raw datalogs in table form or as a color-coded Gantt Chart. This provides a quick, easy and free solution to visualize production.

### M13-502 Production Monitoring Software [ProMon]

**ProMon** is an analysis software that makes **MEL** a powerful tool to monitor your production performance. Using this software, you can create a detailed monitoring, visualization and analysis of production performance. Its dedicated modules is equipped to show overall production summary, details of each Job Order, production utilization summary and parametric data analysis per machine, material, product etc.

**ProMon** provides valuable production performance indicators and measures such as: total output, productive ratio, MTBF (mean time before failure), time-per-piece (cycle time) etc.

## DIMENSIONS:



## SPECIFICATIONS:

|                       |  |
|-----------------------|--|
| Display               | 16 Digits x 2 Lines LCD w/ Backlight<br>Display Window : 62x14mm |
| Power                 | AC100 ~ 240V -15%/ + 10% 50/60Hz                                 |
| Count Range           | 0~99999999   |
| Input Mode            | Contact / Open Collector Input/Voltage                           |
| Communication         | RS-485 Serial Interface  |
| Connection            | Input/Power/Communication: Terminal Screw                        |
| Memory                | USB  |
| Operating Temperature | 0~50° C(Non-Freezing)<br>Humidity: 45~85% RH (Non-Condensing)    |
| Storage Temperature   | -10~60° C (Non-Freezing)   |
| Weight                | Approximately 800g (accessories not included)                    |
| Accessories           | 3.6V 1/2 AA Lithium Battery (for the clock),<br>Bracket          |
| Compliance            | CE, RoHS   |

For more information, please visit [www.mieruzzo.com](http://www.mieruzzo.com)

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