

L.E.D Hourly Production Monitor with Data Logger

We make LED display boards with LED's of various sizes, brightness and colours. We make boards as per your specification and layout.

Our boards can accept inputs from various sources including Your **PC, RS232, RS485, RF, PLC, Relay contacts, DC Input, Hand Held Remote Controls (IR), Keypad, SMS** etc.

Just mail your requirement right away - We will revert with complete specs, visuals and estimate within hours by email

We can follow this up with a site visit and a demonstration of the product (wherever possible)

We offer Hourly Production Display boards. If your factory has several lines of production, each line can have one or more boards with independent Cycle times (TAKT) and the various data from all these boards can be pooled in to a Summary board on an ongoing and an hourly basis. Each board will display the status of the individual line and the summary board will display the status of all such lines. The installation of the board is simple. Our boards accept data via RS485/ PFC's etc. Just plug in power and set up your system in a Jiffy.....

We illustrate below a Set of such working displays that we have successfully installed at a client's factory.

The requirement of the client was as follows:

1. In 5 lines – Line Board
 - a. Measure and display the hourly production, Real-time Target, Actual Production, Efficiency and Time.
 - b. Reset the Real-Time Target, Actual and Efficiency at the end of each shift in each board
 - c. Reset the Hourly production data at the end of the third shift.
2. In One area – Summary Board
 - a. Totalize the data of all the 5 Line boards
3. Data log in Summary Board (real time) so that Hourly production, Target, Actual, Efficiency is calculated and recorded
4. Provide a Software to be installed in a PC at the client location to download such Data Logged in the Summary Board

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L.E.D Hourly Production Monitor with Data Logger**Line Board-**

Qty 5 units

- ❖ Height of LED's 2" FND Red for Plan / Actual / Efficiency
- ❖ Height of LED's 1" FND Red for Clock and Hourly output

The functioning of the board is as follows:

1. Board has 9 hours per shift
2. Shift timing is 7.30 am to 5.00 pm. & 10.00 pm to 7.30 am.
3. The board will capture the production 9 hrs excluding lunch time (In lunch Hr. the Board will be Automatically Stopped after Lunch Hr. the Board Automatically Starts Running.)
4. The 9 hours is preprogrammed in the board by PC software. - The PC software will include the provision to enter the
 1. Shift start time
 2. Start of first tea break
 3. End of first tea break
 4. Start of Lunch break
 5. End of Lunch break
 6. Start of second tea break
 7. End of second tea break
 8. Shift end time
5. If client decides to revert to a 3 shift production then the Start End and Break timings will be keyed in.
6. So when 3 shifts are on then only the 8 windows will be used and the 9th hour window will not display.
7. All the hourly data will be downloaded in the form of Excel sheet.
8. Cycle time is programmable by PC for each shift
9. Plan increments once per completion of Cycle Time - However the incrementing is not done during the Lunch Hour
10. Actual Production is incremented once per Potential Free contact from your end
11. Efficiency is a factor of Actual/Plan *100
12. Hourly output is pushed to the hourly slot below.
13. 230V AC power input
14. End of shift all the windows are reset and will start again

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HMIL U - LINE	
TODAY PLAN	16200
RUNNING PLAN	00955
ACTUAL	00542
EFFICIENCY	56 %

http://www.factorydisplay.com

Summary Board
Qty 1 unit

- ❖ Height of LED's 2" FND Red for all Parameters

The functioning of the board is as follows:

1. The Summary Board is wired to the 5 Hourly production boards using a shielded communication cable
2. TODAY PLAN: This has to be sent from the PC program
3. RUNNING PLAN: This will automatically display the total of all PLAN values OF ALL THE BOARDS - TOTAL OF ALL BOARDS PLAN
4. ACTUAL: This will automatically displayed a Total of all ACTUAL values OF ALL THE BOARDS - TOTAL OF ALL BOARDS ACTUAL
5. EFFICIENCY: This is auto calculate
6. 230V AC power input
7. Mounting brackets provided for wall / ceiling fixing

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Line No	Planned Line down	Reason	Unplanned Line down	Reason	Authorized
	From (time) To (time)	Downtime (mins)	From (time) To (time)	Downtime (mins)	
1001	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1002	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1003	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1004	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1005	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1006			00:00:00 00:00:00	00:00:00	
1007	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	
1008	23:00 23:05	00:05	00:00:00 00:00:00	00:00:00	

Software for Download of Logged Data in MS EXCEL

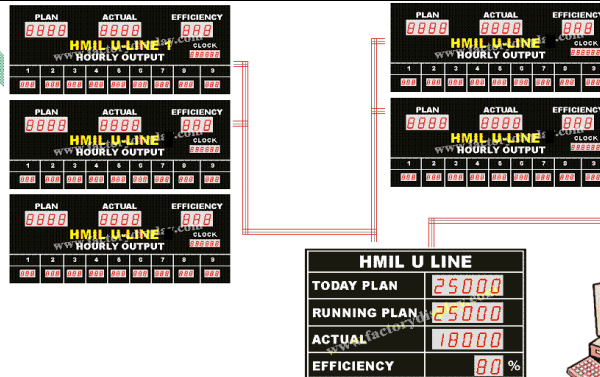
Qty 1 unit

Software Features:

1. Software for data download and upload
2. Upload data = Shift data, Lunch Break, Cycle time
3. Download data = Board wise, plan at the end of hour, actual at the end of hour, efficiency at the end of hour



Connections



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