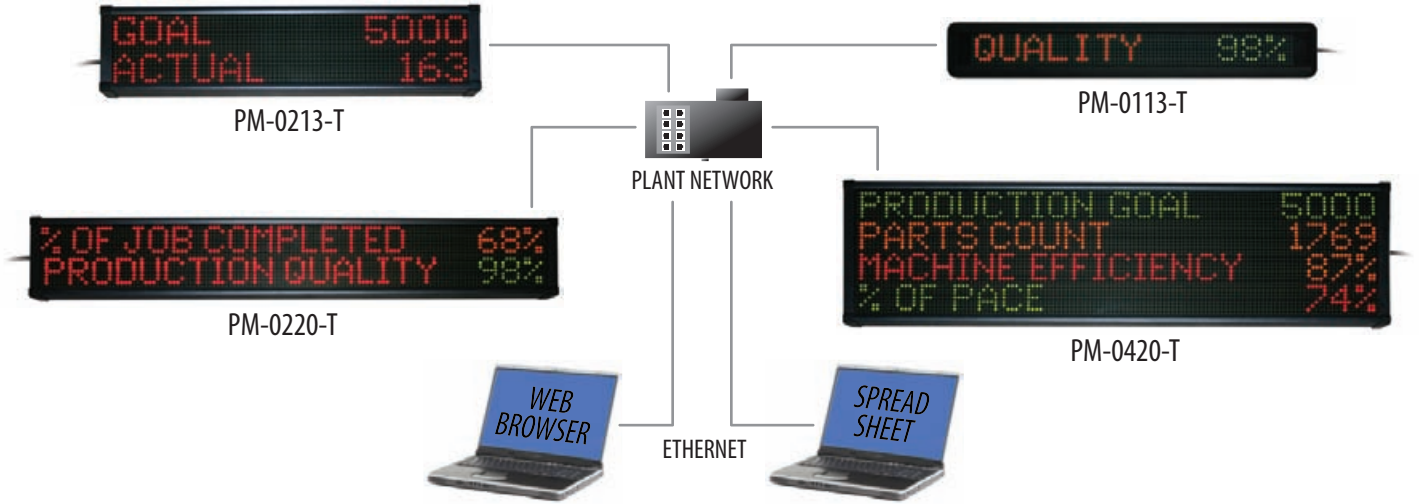


DATAVISOR MARQUEES

View Production Data
Anywhere in the World



Production Marquee Series



PRODUCT FEATURES

- **NO SOFTWARE TO INSTALL!** Embedded web server
- Integrated production monitoring system
- Selection menu of 30+ data source input variables
- Monitor production data through web browser
- Collect real time data over ethernet
- Store production data to 3rd party spreadsheets
- Built in Modbus TCP server
- Programmable break and downtime schedules
- Variable event driven color changes
- Machine state text and override messages
- Upgradable firmware (update to new features)
- Backup and restore application/program

PRODUCT SPECIFICATIONS

- 1, 2, and 4 line alphanumeric display
- 13 and 20 character width; tricolor LED
- 6 programmable inputs (24 VDC PNP)
- Dual mode data display (2 and 4 line models)
- Quad mode data display (1 line model)
- 10/100 ethernet communication port
- 100,000 hour rated LED life
- Operating temperature 0-55 C
- Metal housing; NEMA 1
- Hand held IR programmer
- 120 VAC power; 24 VDC (1 line model)
- Sensor power supply (24 VDC @ 1 amp)

PART NUMBER MODEL (*)	DIMENSIONS (W x H x D)	WEIGHT
PM-0113-T (1 line, 13 characters, tricolor)	26.0" x 4.5" x 1.75"	2.8 LBS.
PM-0213-T (2 line, 13 characters, tricolor)	25.5" x 6.25" x 3.75"	10.8 LBS.
PM-0220-T (2 line, 20 characters, tricolor)	39.75" x 6.25" x 3.75"	17.9 LBS.
PM-0420-T (4 line, 20 characters, tricolor)	39.75" x 11.0" x 3.75"	26.2 LBS.

(*) Double sided models available

WEB BROWSER SCREEN CAPTURES

Production Marquee Series Set Up and Functionality

CONFIGURATION SETUP MENU

BACKUP / RESTORE	MONITOR PAGE
BREAK AND DOWN TIMES	NETWORK SETTINGS
COUNT / RATE / TAKT TIMER / DOWNTIME	STATE TEXT AND OVERRIDE MESSAGES
EVENT DRIVEN COLOR CHANGES	TIME BASED RESET
INPUTS	TIME SYSTEM SETTINGS
JOBS SETTINGS PAGE	WEB DATA
MESSAGE DISPLAY AND DATA SOURCE	

RETURN TO MONITOR PAGE

MESSAGE AND DATA CONFIGURATION

GOAL COUNT PER SHIFT : 100

CHARACTER HEIGHT 2' 2 LINES

MARQUEE DISPLAY LINE CONFIGURATION

LINE #	LINE USAGE	DATA FORMAT	LINE TEXT	TEXT COLOR	DATA SOURCE	DATA COLOR
1	TEXT & DATA	99999	GOAL	GRN	GOAL	GRN
2	TEXT & DATA	99999	ACTUAL COUNT	RED	TOTAL COUNT BAD COUNT	VARIABLE 1

DUAL MESSAGE DISPLAY MODE CONFIGURATION

LINE #	ACTIVE	LINE USAGE	DATA FORMAT	LINE TEXT	TEXT COLOR	DATA COLOR
1	<input checked="" type="checkbox"/>	TEXT & DATA	99999	PACE COUNT	RED	GRN
2	<input checked="" type="checkbox"/>	TEXT & DATA	9999	% PACE	RED	VARIABLE 2

MESSAGE CYCLE TIME FOR DUAL MODE (in sec)

Apply Changes

RETURN TO SETUP MENU

GOAL-COUNT
 % BAD
 % COMPLETE
 TARGET COUNTER
 % OF TARGET COUNTER
 HISTORICAL COUNT
 DOWNTIME
 RUN TIME
 SETUP TIME
 USER MODE TIME
 HISTORICAL DOWNTIME
 CURRENT CYCLE TIME
 LAST CYCLE TIME
 SHORTEST CYCLE TIME
 LONGEST CYCLE TIME
 AVERAGE CYCLE TIME
 RATE / PER SECOND
 RATE / PER MINUTE
 RATE / PER HOUR
 Takt TIME ELAPSED
 Takt TIME REMAINING
 QUALITY
 MACHINE AVAILABILITY
 MACHINE PERFORMANCE
 OEE
 MACHINE STATE
 TIME

APPLICATION EXAMPLES

OEE (Overall Equipment Effectiveness):

This setup of the marquee uses several of the data sources to configure this calculation. Using Machine Availability (runtime/total time), Machine Performance (average cycle time/expected cycle time), and Quality (good parts/total parts) calculates the OEE of your process.

KPI's (Key Performance Indicators):

This setup of the marquee displays production data and process information. Total Count, Bad Count, Rate, Cycle Time, and Downtime are several of the selectable KPI's to display on the marquee. KPI's help address your production problems immediately saving setup time, reducing downtime, and producing a higher quality part. Machine operators and plant management can view, monitor, and collect real time KPI's that inform and motivate from the marquee.

Real Time KPI's with Message Call Inputs:

In addition to displaying KPI's, this setup of the marquee utilizes inputs to broadcast an "override" message on a selected line of the marquee. Downtime, maintenance, and setup messages can be displayed on the marquee when the corresponding input becomes active. An elapsed timer is also displayed to show how long the manufacturing process has been in this condition.

Event Driven Color Changes:

This setup of the marquee allows the data source to control color change within the marquee based on percentages of that selected data source. All 30+ production data sources inputs have this capability. Displayed data sources can be shown in green when on pace, yellow when falling behind, or blinking red when below the required target.

Takt Time (Target Counter) Pace Tool:

This setup of the marquee is used to help machine operators understand the environment of their manufacturing process. The target counter, an actual count, a remaining or elapsed takt timer, percent of target counter, and the daily goal are all calculated to display the real time process data for both the operator and production supervisor to view on the plant floor.