

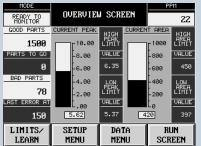
ENHANCED PROCESS MONITORING FOR METAL CUTTING AND FORMING APPLICATIONS

MONITOR YOUR PROCESSES EASILY AND EFFECTIVELY WITH THE NEW IMPAX PASS MONITORS

The IMPAX PASS-4 and IMPAX PASS-6 Monitors use an innovative algorithm to analyze signals from a variety of analog sensors. The monitors measure the PEAK and/or AVERAGE VALUE of the signal, and compare these values to their respective upper and lower limit settings. By doing this for each machine cycle, the monitor can detect missing, broken, and dull tooling, feed problems, and other machine issues.

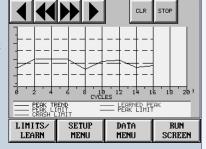
The operator begins the process by entering high and low limit percentages to apply to the learned peak and average values. Once the LEARN NOW Key is pressed, the system calculates the average values for a number of machine cycles, and then sets the limits around these values.

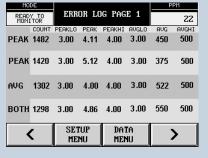
MODE		SET PERCENTAGE		PPM
READY TO MONITOR		LIMITS		22
ENTER PERCENT LIMITS AND PRESS "LEAR				
PEAK HIGH PERCENT:		10	AREA HIGH PERCENT:	10
PEAK LOW PERCENT:		10	AREA LOW PERCENT:	10
LEARN NOW				
LIMITS/ LEARN		SETUP MENU	DATA MENU	RUN SCREEN



The System Overview Screen displays Current Peak and Current Average Values along with their respective high and low limits, and a bar graph for each. It also shows the speed of the machine (parts-per-minute) and both the good and bad parts produced.

The Trending Screens show the peak and average values for the last 100 cycles along with the limits. A crash limit is also displayed. The arrow keys can be used to scroll the display.





The Error Log Screens keep track of the last eight errors. Information provided includes the count value, and the peak and average values along with their respective limits.



Auto Learn Function

- Variable Cycle Count
- Learns Peak and Average Values

Peak Analysis

- High and Low Percentage Settings
- High and Low Fixed Limit Settings

Average Analysis

- High and Low Percentage Settings
- High and Low Fixed Limit Settings

Order Counter

- Order Quantity
- Good Parts Made
- Good Parts to Go
- Bad Parts Sorted/Diverted

Trending

- Trending of Peak Values
- Trending of Average Values
- Trending Data Logs for Peak & Area

Error Log - Last 8 Events

- Count, Peak & Average Values

Machine Stop Control

- Immediate or Delayed (configurable error tolerance)
- Additional Always-On Crash Protection

Sorting Control via Diverter Output

- Start & Stop Delays

Sensors Supported

- 0-10V Analog Sensors
- 4-20mA Analog Sensors
- Contact PTG, Inc. for information on sensors we recommend for your application.

Process Technologies Group, Inc.

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Websites: impaxptg.com impaxtss.com

Existing PASS Modules

TAPPING - Motor Load Input

POINTING - Motor Load Input

METAL CUTTING - Vibration Sensor with Signal Conditioner

TEMPERATURE MONITORING - Thermocouples, Thermistors, RTDs

TOOL USAGE COUNTING -Up to 40 separate Tool Counters

MAINTENANCE ITEM USAGE COUNTING - Up to 18 separate Maintenance Counters

GAGING - Up to 3 Characteristics

CUSTOM PROJECTS - Hardware, software, and 0-10V sensor selection to meet your project criteria.