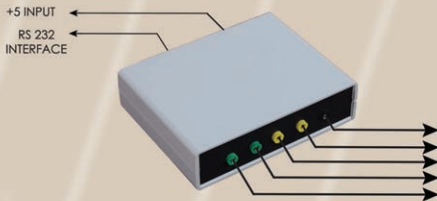




# Vmat - 01 Controller

( For Process Control Trainer )

The VMAT Controller is specially designed for Real time Process control interface for MATLAB - Simulink & LABVIEW Software for research work.



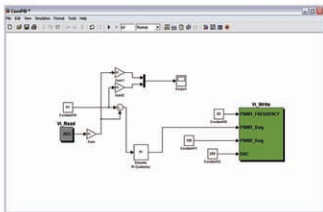
## FEATURES :

1. dsPIC-Micro controller card will be used for Data logging and telemetry applications To acquire and control level, flow, Pressure and Temperature process,etc.
2. dsPIC-Micro controller Based Matlab interface card.
3. 2 single PWM Outputs (250 KHz)
4. Single channel ADC Input (0-5V)
5. Single channel DAC Output (0-5V)
6. PC interface through Rs232
7. +5V DC Operation.
8. Will be used for instrumentations, PID control applications

## MATLAB GUI APPLICATIONS

The GUI block proven in Simulink can be immediately downloaded and tested with this controller.

This will be an ideal tool for Researchers in Power Electronics, Drives, Process Control Instrumentation etc.,



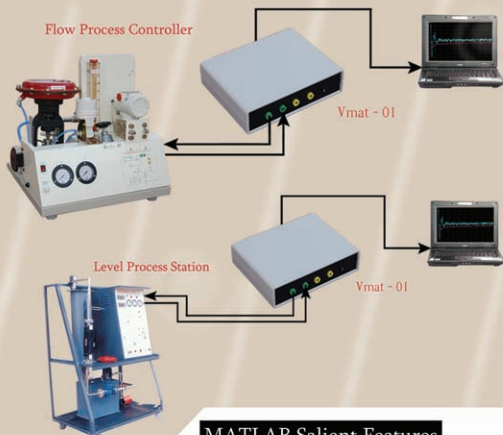
Vi Microsystems Pvt. Ltd.,

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# MATLAB & LABVIEW Based Data Acquisition and Process Control Trainer



## MATLAB Salient Features

MATLAB is a high - level technical computing language and interactive environment for

- Algorithm development
- Data Visualization
- Data analysis
- Numeric computation

Using the MATLAB product, you can solve technical computing problems faster than with traditional programming languages such as C, C++ and Fortran.

You can use MATLAB in wide range of applications, including

- Signal and image processing
- Communication
- Control design
- Test and measurement
- Financial modeling analysis
- Computational biology

ADD - ON tool boxes extend the MATLAB environment to solve particular of problems in these application areas.

Writing code in MATLAB is at least 50% faster than in C, and even faster because most data analysis function are available in toolboxes and it will very be very useful for save the research time.

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