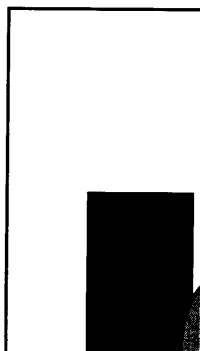


PICmicro Education Board

II

Designed specifically to support Educators in teaching embedded control design, this module is pre-wired and ready to be used in the lab to



demonstrate subroutines, port configuration, interrupts, storing/retrieving of data, display driving, keypad interfacing, analog-to-digital conversion, encoders, temperature sensing and more. Students focus on the content of the lab assignment rather than locating parts or equipment just to get started with their lab. The cost effective module comes complete with a PIC16F874 microcontroller (including demo software), 4 MHz crystal, keyboard and 2 x 16 LCD display, 8 LEDs, 3 Potentiometers, bread boarding area, regulated power supply and more (external power source required, 8-12 VDC @200 ma or use Power PAK from PIC Start Plus or 9V battery).

Also includes a RS-232 serial interface, ICD (In Circuit Debugger) interface and Memory. It can be used as a stand-alone module or installed in the Diversified Engineering *Design Center* which provides expanded breadboard area, instruments and peripheral devices.

[Click Here for Ed Board II support files](#)

[Click here to see sample Lab Projects and Outlines](#)

Also Available is our Whole Course Solution

Features

- * **3 Potentiometers on A/D inputs**
- * ***ENTER* button**
- * **8 LED s**
- * ***RESET (MCLR)* button**
- * **12 key matrix keypad**
- * **Zero insertion force Microcontroller socket**
- * **All port pins accessible**
- * **Polarity protected *regulated* power supply**
- * **Temperature Sensor**
- * **Encoder Emulator w/ *Inc.-Dec* buttons**
- * **2 x 16 LCD display * Socket to add SPI or I²C memory**
- * **16F874 Flash Microcontroller**
- * **Demo Program in microcontroller**