

# Microcontroller Emulators

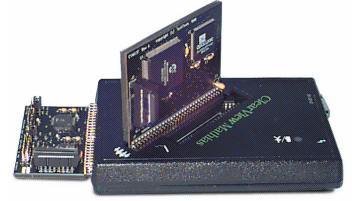
## ClearView Mathias In-Circuit Emulator:

Modular style hardware offers complete emulation of the PICmicro® MCU including ALL peripherals. ClearView Mathias includes TDE, a complete Debugging & Development Environment.

### Seamless Environment

ClearView Mathias fully integrates with industry standard assemblers and C compilers to provide full symbolic, source-level debugging with your choice of tools. You can edit, compile, view/correct errors and debug in one seamless environment.

A single click initiates a project build and any compiler errors are displayed in a pop-up window. Clicking on an error takes you to the offending source line for quick corrections. After fixing the error, a single click rebuilds the project, loads the code into the emulator and starts the debugging session.



### Source-level Debugging

While debugging, you have full access to all registers, memory spaces and peripherals. You can watch and edit variables by their source-level names or by their file register addresses. You can toggle breakpoints by clicking on a source line or specifying an address.

### Modular Architecture: A new processor can be supported by simply adding a new member module.

The ClearView Mathias Development System consists of three parts; the Base unit, a Family module and a Member module.

The base unit contains all of the system intelligence, HOST interface, breakpoint control circuitry, execution memory and general ICE control circuitry. The Family module contains the main processor bond out chip. The Member modules contain slave bond out chips that emulate the particular peripherals of a given PICmicro® MCU processor.

# Temperature Sensors

## Thermo PC:

### ThermoPC

The Easy, Accurate, Low-Cost Way to Measure Temperature with a PC

- Small cartridge that fits into any available parallel printer port ( LPT1, LPT2 or LPT3 )
- DS1621 Digital sensor, 9-bit resolution
- 0.5 Degrees Celsius or 1 Degree Fahrenheit accuracy
- Indoor or outdoor temperature monitoring
- Windows based software with graphical user interface
- Temperature Logging: Collect temperature readings over a period of time and plot temperature variations versus time using Excel or similar graphing program
- Temperature measurement library for custom applications and user-written programs
- Sensor can be placed up to 6 feet away from the PC with the expansion cable.



### Applications

- Monitoring room temperature
- Monitoring server rooms
- Temperature logging for labs
- A/C & Heater quality check.



Available Windows 95 / 98 / Me / NT / 2000 / XP and Linux drivers.

## LM34 and LM35:

**LM34DZ** Temperature Sensor IC Fahrenheit \$6

**LM35DZ** Temperature Sensor IC Celsius \$6