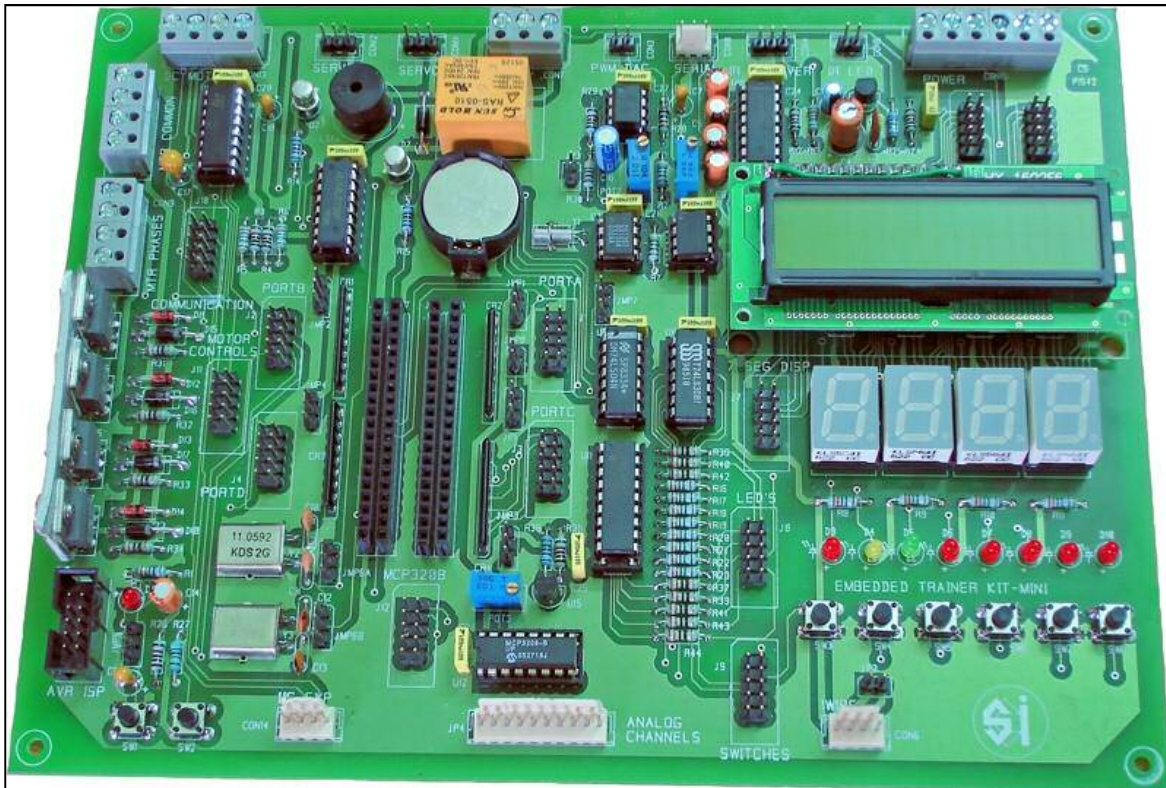


Universal Mini Micro controller Experiment Board

**Summary:**

- 40 & 28 pin micro controller personality modules
- 10 pin ISP header for AT89SXX & AVR
- CPU plug-in boards for...

- AT89S51, 52, 55 & Philips RD2
- ATMEL AVR 28 & 40 pin devices
- Pic & dsPic 28 & 40 pin devices
- ARM LPC 2106

- Jumper selectable reset circuit with switches
- Jumper selectable crystal circuit for 2 frequencies
- 10 pin box header for peripheral interface
- 12V @ 2.7 Amps, 5V @ 1 Amp SMPS
- Demo compilers, sample programs & comprehensive manuals

Ordering Options:

SCI/PCPU-AT89S51
 SCI/PCPU-AT89S52
 SCI/PCPU-AT89S55
 SCI/PCPU-ATMEGA8515
 SCI/PCPU-ATMEGA162
 SCI/PCPU-ATMEGA8535
 SCI/PCPU-ATMEGA16
 SCI/PCPU-ATMEGA32

SCI/PROG-STK200-300
 SCI/PROG-AVRISP-USB
 SCI/PROG-AT89SXX-USB

Included with the kit are...

3 wire RS232 cable with DB9 connector
 10 pin Box header cable (5 nos)
 2 pin berg cable (2 Nos)
 4 pin berg cable (3 Nos)
 12V/5V SMPS power supply
 16 X 2 alpha numeric backlit LCD
 CD with compiler, manuals & programs



Spectrochem Instruments Pvt. Ltd.

B-23 Huda Complex, Saroornagar, Hyderabad, Telangana State, 500 035 INDIA
 Ph: +91 402 420 1570-72, Email: spectro_hyd@vsnl.net, URL: www.spectrochemindia.com

Specifications:

SCI/EMBTk-GP-8051-AVR40/28 + Wooden Box

Consisting of...

User Interface:

16 X 2 Alpha numeric backlit LCD 4 bit mode only
Four Seven Segment LED Displays
6 Push buttons with interrupt circuitry

Communication:

Full Duplex RS232 DAISY chain configuration
IR Receiver for RC5/SONY SIRC
IR Diode & Hardware for IR Tx (RC5/SONY SIRC)
IIC EEPROM & RTC with Battery Backup

Outputs & Control:

L293D H-Bridge driver
Unipolar Stepper Motor Driver
Eight LEDs ULN2803 driver, Buzzer
S.P.D.T fast response 3 m Sec RELAY

ADC & DAC Interface:

10 bit on chip ADC for AVR/PIC chips
MCP3208 SPI Based 8Ch-12 bit AD converter SPI Interface

Processor:

40 Pin socket for CPU board plug-in
Default AT89s51 Processor, 5V 1 Amp SMPS Supplied
Support for both AT89SXX & AVR (40/28 pin) micros

ISP support for AT89SXX, AVR Micros & STK200/300 Programmer

All four ports available to user through Berg edge connectors

USB Programmer for 8051 processors



Spectrochem Instruments Pvt. Ltd.

B-23 Huda Complex, Saroornagar, Hyderabad, Telangana State, 500 035 INDIA
Ph: +91 402 420 1570-72, Email: spectro_hyd@vsnl.net, URL: www.spectrochemindia.com