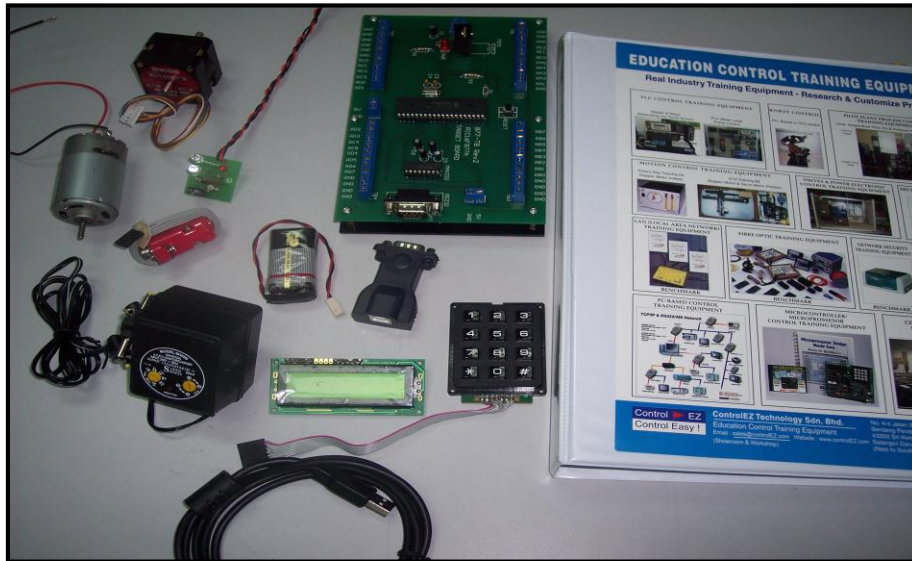




MACHINE VISION & CONTROL AUTOMATION

Control Easy Technology Sdn. Bhd. (924757-A)
Industry Machine Vision, Motion, PLC & PC Control Automation Systems.
Education Control Training Systems.
No 28G &1, The Atmosphere, Jalan Atmosphere 5, Bandar Putra Permai,
43300 Seri Kembangan, Selangor, Malaysia.
Tel: +603-9545 2009 Fax: +603-9545 2010
E-mail: sales@controlez.com www.control-easy.com

Microcontroller Control Training Kit Board with Boot-loader MODEL : EZ-UC002



Programming of the PIC is done through MikroC Language with Microcontroller Boot-loader Board.

Each of the dc motor controller board has a MOSFET H-bridge and capable of driving a dc motor and stepper motor independently. Three signals are required for dc motor and servo motor operation, they are one pulse width modulated signal and two TTL.

The dc motor controller board has a set of optical photoelectric sensor to detect both the wheel speed and distance traveled. A circuitry is present to condition the back emf signal of the motor for analogue to digital conversion.

A manual is provided detailing the parts available, manual for electronic assembling as well as programming examples for every module.



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Items included in the supply:

1.	<p><u>Microcontroller Development PIC 16F877-A-EZ programmer Target Board with Boot-loader</u> Powerful Microchip PIC16F877-A controller running at 25 MHz Linear program memory for 128 Kbytes Linear data memory for 3840 bytes 1 Kbyte of data EEPROM MikroC 2K Code, PIC programming language 100,000 erase/write cycle enhanced Flash On-board AC-DC power supply low dropout voltage regulation Regulated +5 Vdc sourced from screw terminal connectors Standalone PIC Programmer using USB for downloading program into PIC target board The 12c communication can be applied for switch, keypad and LED's as an application In circuit serial programming capability 8 analogue input channels with 10 bit analogue to digital converter 3 bit address selectivity Communication Protocol (Inter Integrated Circuit, 12C) Mini USB cable Shock Proof Kit Casing Easy interface and support WinXP/Vista/7</p>
2.	<p><u>Development Part Components</u> Mini USB cable 8 LED array for running light with different color 7-segment display with common cathode display and drive by BCD decoder LCD - 16X2 character with backlight and operated by 4 bit mode 2 Push button with active low configuration 4x4 keypad Matrix input Temperature sensor with heater and the interfacing to A/D input of the microcontroller. -40 C to +125 C detection. Regulated +5vdc power supply</p>

Engineering & Development

Microcontroller PIC 18F877-A system supported by Programming with C Language
& Assembly Language MPLAB

Software CD - Micro C 2K Demo code
PIC 16F877-A Microcontroller training
Manuals & Teaching materials c/w exercises

NOTE: Complete Technical Specifications and detailed additional information available

REQUIRED SERVICES

-Electrical supply : 220-240V/ 50-60Hz
-Computer (PC)

DIMENSIONS & WEIGHT

Dimensions approx. :
300 x 200 x 20 mm.
-Weight approx. : 1 kg.

**Specification subject to change without previous notice, due to continuous improvements of the product*