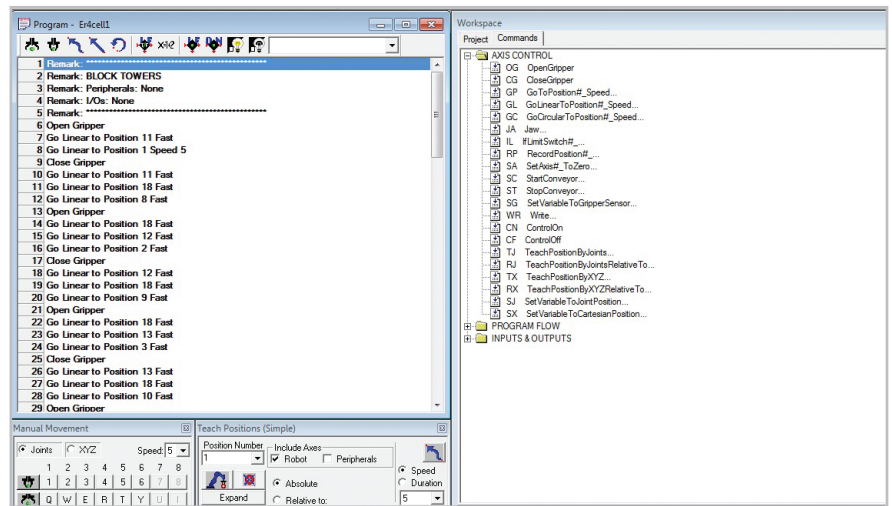


# SCORBASE for Controller USB & USB-PRO

CATALOG #:

009234 CONTROLLER USB  
009248 CONTROLLER USB-PRO



SCORBASE robotics control software provides a user-friendly tool for robot programming and operation.

SCORBASE provides user friendly interface and visible robotic program execution. The software has several operational levels, each with progressively more functions, making the software suitable for both novice and advanced users.

Menus and dialog boxes can be displayed in various configurations, making programming and control

much easier. Positions can be recorded, for example, while programs are being edited.

Besides the robot arm, the software supports peripheral servo axes and both digital and analog I/Os, thereby providing a comprehensive tool for programming and operating an entire robotic workcell.

## STANDARD FEATURES

### POSITION RECORDING

- Positions can be recorded both online and offline.
- Positions can be absolute or relative.
- Position coordinates may be for robot arm, peripheral axes, or both.

### MANUAL CONTROL OF ROBOT & PERIPHERAL AXES

- Movement by joints and Cartesian coordinates at selectable speeds
- Movement control from dialog box, keyboard and teach pendant
- Graphic image of robot; user clicks on axis arrows to move robot axes.

### PROGRAM EXECUTION

- Programs can be executed both online and offline.
- Options to execute one command, single cycle or continuous cycle.
- Command currently being executed is highlighted in program window.

### REAL-TIME DATA DISPLAY

- Real-time, continuous display of robot and peripheral positions (encoder values and XYZ coordinates) and I/Os
- Real-time, continuous display of home switches' status, joint angles, command value (PWM) and position error
- Dynamic charts present encoder values, command value (PWM) and position error

## USER INTERFACE

Industrial functions in an intuitive interface designed for training environments 3 operating modes: Online: SCORBASE communicates with the controller. The robot, peripheral axes and I/Os execute all commands. Offline: SCORBASE does not communicate with the controller, even though it may be connected; axes do not move; I/Os are not switched, but different I/O states can be simulated by user (useful for testing/debugging programs). Optional ROBOCELL software integrates SCORBASE robotic control software with interactive 3D graphic simulation.

## PROGRAMMING

SCORBASE robotic language integrated with Visual Basic Script language which adds new facilities, for sample serial communication and calling an external program.

SCORBASE for Controller USB-PRO enables multitasking facility (up to 100 concurrent programs). Advanced students can write on C++ language their programs for control SCORBOT-ER 4u or SCORBOT-ER 9PRO robots.

## INTERFACE LANGUAGES

SCORBASE for Controller USB: English, Spanish, Portuguese, German, Korean, Vietnamese, Polish  
SCORBASE for Controller USB-PRO: English. SCORBASE can be easily translated into any user language

## COMPUTER REQUIREMENTS

- Intel / AMD Single Core 1.6GHz
- 512MB RAM
- 300MB Available Disk Space
- Windows XP SP3 / Vista / 7 - 32 or 64bit
- For use with CNC equipment CNCMotion

## RELATED PRODUCTS

### HARDWARE

For Controller USB:

- SCORBOT-ER 4u
- ASRS-36U
- ASRS-36Ux2

For Controller USB-PRO:

- SCORBOT-ER 9PRO
- SCORA-ER 14PRO

### SOFTWARE

OpenCIM/OpenFMS - Computer Integrated Manufacturing software

ViewFlex - machine vision system

### OPTIONAL ACCESSORIES

Teach pendant, belt conveyor, rotary table, linear slidebases, XY positioning table, parts feeders, sensors, I/O experiment table.

### CURRICULUM

E-Learning curriculum with fully integrated Robocell software provides comprehensive instruction in robotic programming and automation. Courses range from introductory to advanced topics, and include project samples and solutions.

- Robotics and Materials Handling I with SCORBOT-ER 4U
- Robotics and Materials Handling I with SCORBOT-ER 9Pro