

Positioner and peripherals

<Options>

High efficiency in excellent combination with Panasonic robots

Positioner unit



Support unit

Support unit has the same surface as positioner unit but excludes driving mechanism and motor.

Model	TC-10000	TC-10000	TC-10000
Weight (kg)	100	100	100
Power (W)	100	100	100
Height (mm)	100	100	100

- Positioner design is not necessary for MC driving mode.
- Supporter is made independent and applicable for TIG welding.
- Load design for compact, flexible construction and expansion.
- Positioner itself designed for air and electric wiring.
- Maximum movement with robot.

	TC-10000	TC-10000	TC-10000
Max. weight	100kg	100kg	100kg
Max. height (mm)	100	100	100
Max. width (mm)	100	100	100
Max. depth (mm)	100	100	100
Max. weight (kg)	100	100	100
Max. height (mm)	100	100	100
Max. width (mm)	100	100	100
Max. depth (mm)	100	100	100

2-axis positioner

Maximum movement with robot



Model	TC-10000	TC-10000
Weight (kg)	100	100
Max. weight (kg)	100	100
Max. height (mm)	100	100
Max. width (mm)	100	100
Max. depth (mm)	100	100

Rotating & tilting positioner



Model	TC-10000	TC-10000
Weight (kg)	100	100
Max. weight (kg)	100	100
Max. height (mm)	100	100
Max. width (mm)	100	100
Max. depth (mm)	100	100

Motor unit

7 types from 100W to 2000W are applicable with system.



Model	100W	200W	300W	400W	500W	600W	700W	800W
Max. weight (kg)	100	200	300	400	500	600	700	800
Max. height (mm)	100	200	300	400	500	600	700	800



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G2 Series

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Panasonic Robot Programming Manual

Chi Ngoc Thai



Panasonic Robot Programming Manual

Preliminary Unimate Industrial Robot Programming Manual ,1985

Student Activities Manual to Accompany BASIC ROBOTICS, 1e Keith Dinwiddie,2015-01-22 The student activities manual is design to help you retain key chapter content Included within this resource are chapter objective questions key term definition queries and multiple choice fill in the blank and true or false problems

Robotics Products Database ,1990

Robot Programmer's Bonanza John Blankenship,Samuel Mishal,2008-06-14 The first hands on programming guide for today s robot hobbyist Get ready to reach into your programming toolbox and control a robot like never before Robot Programmer s Bonanza is the one stop guide for everyone from robot novices to advanced hobbyists who are ready to go beyond just building robots and start programming them to perform useful tasks Using the versatile RobotBASIC programming language you ll discover how to prototype your creative ideas using the integrated mobile robot simulator and then port your finished programs to nearly any hardware software configuration You can even use the built in wireless protocol to directly control real world robots that can be built from readily available sensors and actuators Start small by making your robot follow a line hug a wall and avoid drop offs or restricted areas Then enable your robot to perform more sophisticated actions such as locating a goal sweeping the floor or navigating a home or office Packed with illustrations and plenty of inspiration the unique Robot Programmer s Bonanza even helps you teach your robot to become intelligent and adapt to its behavior Everything you need to program and control a robot In depth coverage of the RobotBASIC simulator as well as how it can be used to control real world robots either directly or through the integrated wireless protocol A companion website with a FREE download of the full version of the RobotBASIC robotic simulator and control language Remote control algorithms as well as autonomous behaviors Integrated debugger facilitates program development Appendices that detail RobotBASIC s extensive commands and functions as well as the integrated programming environment Adaptable and customizable programs that solve realistic problems use simulations to prototype robots that can mow a yard deliver mail or recharge a battery then port your algorithms to real world robots Chapters devoted to creating contests with RobotBASIC and utilizing RobotBASIC in the classroom to teach programming

Operation, Programming and Maintenance Manual Prab Robots, Inc,1982

Robot Builder Thomas Messerschmidt,John Baichtal,2014 This easy tutorial explains all aspects of robot building It teaches basic robot programming and gives you all the cut and paste code you ll need for some pretty sophisticated projects

I, Robot Programmer Trevor Watkins,2013-09-23 I Robot Programmer is the only robotics programming tutorial that teaches the basics of robotics programming in any language shows how to apply those concepts with the hugely popular LEGO Mindstorms NXT G language and then walks you through a pair of start to finish robot projects covering both programming and construction Absolutely no robotics or programming experience is necessary What s more even if you someday choose a different robot programming language you won t be a beginner anymore you ll be able to use all the concepts you learn here Coverage includes Building a robotic armored car with dual firing cannons Building an Army HEMTT Heavy Expanded Mobility robo Writing programs that make your robots speak and display visuals Making your robots move and making them decide Using repetition reusable functions and data blocks Extending your robot s capabilities via sensors Giving your robot purpose Debugging your NXT G programs so they work exactly as intended Chapter exercises and sample projects reinforce what you ve learned helping you test your skills and improvise additional capabilities and also making this book an exceptionally valuable classroom and laboratory resource

Robotics Product Database ,1988

Robot Arm Assembly and Programming Guide E. T. Bryant,2019-05-24 Third in a series of textbooks on Robotics This book explains how to assemble a robot arm kit It gives detailed instruction on assembly and programming the unit Helpful tips and special notes will allow you to complete the project successfully A must have for the DIY hobbyist and experimenter High quality photos

Programming Guide for ROBOTIS MINI Chi Ngoc Thai,2020-01-19 The MINI programmable humanoid robotic kit was released by ROBOTIS in 2014 It comes with a free Mobile App called MINI that allows beginner users to operate the MINI through its pre programmed motions But the potential use for this kit in educational robotics is largely untapped due to lack of information and practicum sources for users to develop their own projects and to help them learn more about humanoid robotics programming This book is designed with the Spiral Teaching approach for developing MINI projects using 2 main software tools 1 ROBOTIS tools TASK MOTION and R m PLAY700 2 EDBOT to allow the use of standard development environments such as SCRATCH 2 and PYTHON This approach allows MINI users to assess the capabilities and constraints of these tools in the development of their existing or potential project ideas This book has 8 Chapters Chapter 1 provides a systemic view of the MINI kit from its hardware components and software tools Chapter 2 provides pre assembly and post assembly tips for the MINI kit Chapter 3 focuses on the use of the ROBOTIS MANAGER tool Chapter 4 provides MOTION foundational concepts such as KEY FRAME TIME LINE and MOTION UNIT as well as how to techniques to use the ROBOTIS MOTION tool Chapter 5 is a review of the features provided in the MINI App Chapter 6 provides the foundational knowledge in computer programming structures and techniques with the ROBOTIS TASK tool Chapter 7 illustrates the use of the R m PLAY700 App to access Smart Device features in a TASK program which allow the MINI s Controller to access Multimedia Services from mobile devices Selected features are demonstrated Touch Areas Text Displays Instruments Play Text to Speech Speech Recognition and Color Tracking with Mobile Video Camera Chapter 8 assumes the reader to have some programming experiences in using SCRATCH 2 and PYTHON It demonstrates the use of EDBOT to control two MINI robots from a single SCRATCH 2 or PYTHON program It showcases Remote Autonomous Mixed Control applications using SCRATCH Multi Sprite and Broadcast Message features and demonstrates the use of the Threading and OpenCV modules in PYTHON applications

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Robotics Today ,1985

Robomatix Reporter ,1984

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Computers in Engineering ,1987

Programming Robots with ROS Morgan Quigley,Brian Gerkey,William D. Smart,2015-11-16 Chapter 3 Topics Publishing to a Topic Checking That Everything Works as Expected Subscribing to a Topic Checking That Everything Works as Expected Latched Topics Defining Your Own Message Types Defining a New Message Using Your New Message When Should You Make a New Message Type Mixing Publishers and Subscribers Summary Chapter 4 Services Defining a Service Implementing a Service Checking That Everything Works as Expected Other Ways of Returning Values from a Service Using a Service Checking That Everything Works as Expected Other Ways to Call Services Summary

Sheet Metal Industries ,1995

InfoWorld ,1983-02-28 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects

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