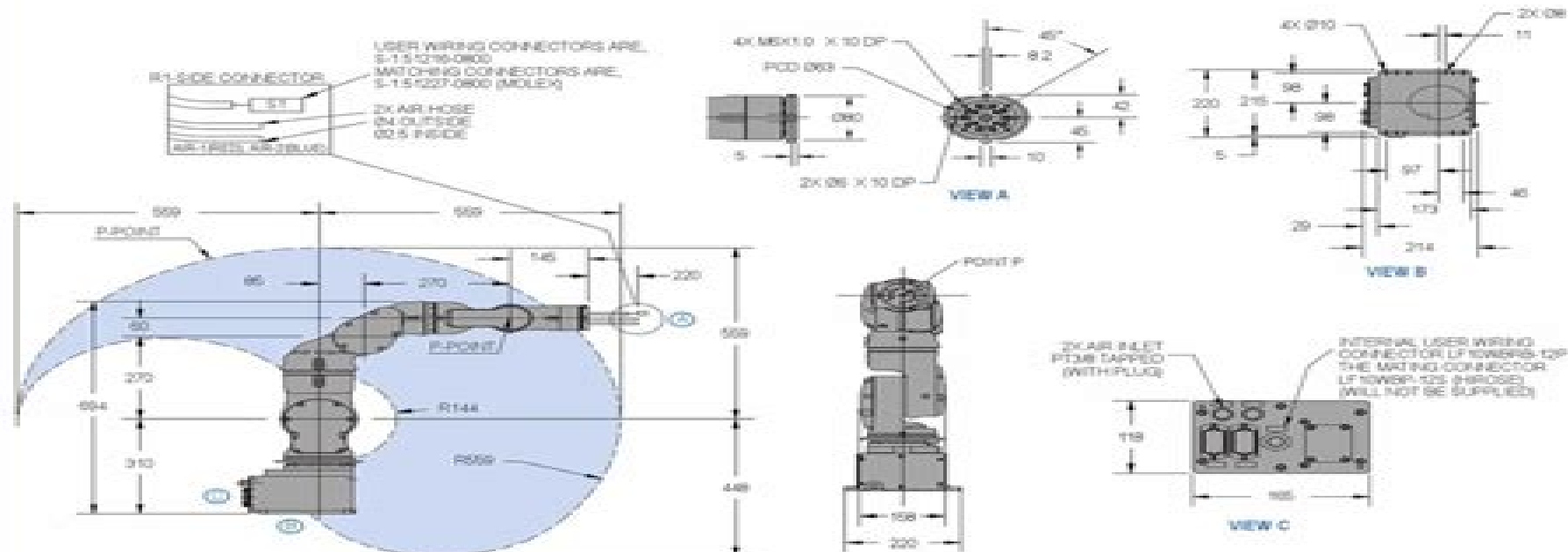


SIA5F ROBOT



All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

SPECIFICATIONS

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N·m]	Allowable moment of inertia [kg·m ²]	Controlled axes	7
S	±180	200	-	-	Maximum payload [kg]	5
L	±110	200	-	-	Repeatability [mm]	±0.05
E	±170	200	-	-	Horizontal reach [mm]	559
U	+115 / -90	200	-	-	Vertical reach [mm]	1,007
R	±180	200	14.7	0.45	Weight [kg]	30
B	±110	230	14.7	0.45	Power requirements	1- or 3-phase; 200/230 VAC at 50/60 Hz
T	±180	350	7.35	0.11	Power rating [kVA]	1

OPTIONS

Wide variety of fieldbus cards
Vision systems
Robot base I/O cables
External axis kit
Material handling software package
Conveyor tracking
MotoFit™ force sensing package



AXES LEGEND

S-Axis: Turning/Sweep
L-Axis: Lower Arm
E-Axis: Elbow
U-Axis: Upper Arm
R-Axis: Wrist Roll
B-Axis: Bend / Pitch / Yaw
T-Axis: Wrist Twist

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Robert O. Parmley



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Industrial Robots Programming J. Norberto Pires, 2007-04-03 Industrial Robots Programming focuses on designing and building robotic manufacturing cells and explores the capabilities of today's industrial equipment as well as the latest computer and software technologies. Special attention is given to the input devices and systems that create efficient human-machine interfaces and how they help non-technical personnel perform necessary programming control and supervision tasks. Drawing upon years of practical experience and using numerous examples and illustrative applications, J. Norberto Pires covers robotics programming as it applies to the current industrial robotic equipment including manipulators control systems and programming environments. Software interfaces that can be used to develop distributed industrial manufacturing cells and techniques which can be used to build interfaces between robots and computers. Real-world applications with examples designed and implemented recently in the lab. Industrial Robots Programming has been selected for indexing by Scopus. For more information about Industrial Robotics, please find the author's Industrial Robotics collection at the iTunesU University of Coimbra channel.

Robot industrial. Manual de instalación NAVARRO PIÑA, ALEJHANDRO, 2020-12-18 El robot industrial es una pieza fundamental de cualquier proceso industrial. En este libro se indica un procedimiento básico para llevar a cabo la ingeniería de la instalación de una célula robotizada por lo que servirá de guía para cualquier persona involucrada en la instalación o que desee instalar un robot industrial en su empresa. Se acompaña al lector por cada una de las etapas que se deben seguir para desarrollar de forma efectiva una célula robotizada desde la selección del robot, el diseño de la herramienta de trabajo y la selección de los componentes de seguridad de la célula hasta la programación. Adicionalmente a lo largo de varios capítulos se ilustra un caso práctico real donde se demuestra cada una de las etapas mencionadas con el fin de afianzar la teoría. El autor Alejhandro V. Navarro Piña es ingeniero mecánico con posgrado en Mecatrónica, profesor de posgrado en la Universidad Arturo Michelena de Venezuela y CEO en la empresa AN Mecatrónica especializada en el desarrollo de proyectos industriales en el sector de la ergonomía y manufactura automatizada.

A Manager's Guide to Robotic Systems Datapro Research Corporation, 1985

Introduction to Robotics Phillip McKerrow, 1991 This book provides an introductory text for students coming new to the field of robotics and a survey of the state of the art for professional practitioners. Some of the outstanding features of this book include a unique approach which ties the multi-disciplinary components of robotics into a unified text. Broad and in-depth coverage of all the major topics from the mechanics of movement to modelling and programming. Rigorous mathematical treatment of mature topics combined with an algorithmic approach to newer areas of research. Practical examples taken from a wide range of fields including computer science, electronic engineering, mechanical engineering and production engineering. Step-by-step development of problems and many worked examples.

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equipment machine tools machinery and industrial equipment listing over 110 000 industrial assets since 1924 including metalworking and fabricating machine tools lathes cnc equipment machine centers woodworking equipment food equipment chemical and process equipment cranes air compressors pumps motors circuit breakers generators transformers turbines and more Over 1 100 businesses list with the SURPLUS RECORD October 2023 issue Vol 100 No 10 **Robotics Products Database** ,1990 **Research and Education in Robotics - EUROBOT 2009** Achim Gottscheber,David Obdrzalek,Colin Schmidt,2010-11-30 This volume contains the accepted papers presented during the International Conference on Research and Education in Robotics EUROBOT Conference 2009 held in La Fert e Bernard France May 21 23 2009 Today robots are indispensable tools for exible automated manufacturing in many areas of industry as well as for the execution of sophisticated or d gerous tasks in the nuclear industry in medicine and in space technology and last but not least they are being increasingly used in everyday life To further encourage researchin this area the EUROBOT Conferences have been set up They aim to gather researchersand developersfromacademic elds and industries worldwide to explore the state of the art This conference is companiedbythe EUROBOTContestFinals aninternationalamateur robotics contest open to teams of young people During the nals in 2009 teams from 25 countries came together not only to compete but also to exchange knowledge and ideas and to learn from each other In addition to the paper and poster presentations there were two invited talks Raja Chatila Director of the LAAS CNRS Toulouse France whose talk was about Cognitive Robots V eronique Raoul EUROBOT Association France whose talk was about EUROBOT Organizing a conference is a task that requires the collaboration of many p ple We personally would like to warmly thank all members of the EUROBOT Conference2009programcommittee without their help and dedicationit would not have been possible to produce these proceedings *Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics - E-Book* Nader Rifai,2023-09-02 Selected for Doody s Core Titles 2024 with Essential Purchase designation in Laboratory Technology Master clinical lab testing skills with the condensed version of the Tietz Textbook Designed for use by CLS students Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics 9th Edition provides a streamlined guide to the clinical chemistry knowledge you need to work in a real world clinical lab Coverage ranges from laboratory principles to analytical techniques and instrumentation analytes pathophysiology and more New content keeps you current with the latest developments in molecular diagnostics From highly respected clinical chemistry educator Nader Rifai this textbook shows how to select and perform diagnostic lab tests and how to accurately evaluate results Coverage of analytical techniques and instrumentation includes optical techniques electrochemistry electrophoresis chromatography mass spectrometry enzymology immunochemical techniques microchips automation and point of care testing Authoritative foundational content mirrors that in the Tietz bible of laboratory medicine but in a more concise way Updated chapters on molecular diagnostics cover the principles of molecular biology nucleic acid techniques and applications and genomes and nucleic acid alterations reflecting the changes in this rapidly evolving field Clinical cases from

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Robot Modeling and Kinematics Rachid Manseur,2006 Robot Modeling and Kinematics teaches the fundamental topics of robotics using cutting edge visualization software and computer tools to illustrate topics and provide a comprehensive process of teaching and learning The book provides an introduction to robotics with an emphasis on the study of robotic arms their mathematical description and the equations describing their motion It teaches how to model robotic arms efficiently and analyze their kinematics The kinematics of robot manipulators is also presented beginning with the use of simple robot mechanisms and progressing to the most complex robot manipulator structures While mathematically rigorous the book s focus is on ease of understanding of the concepts with interactive animated computer graphics illustrations and modeling software that allow clear understanding of the material covered in the book All necessary computations are concisely explained and software is provided that greatly eases the computational burden normally associated with robotics Written for use in a robotics course or as a professional reference Robot Modeling and Kinematics is an essential resource that provides

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