

Panasonic G3 Robot Controller



General Information

Panasonic robots of the TA/TB series and the new G3 Robot Controller meets customer request for advance robotic application. Windows CE™ based G3 controller provides icon based user-friendly programming with wide 7" colour display and jog dial. It has access to the network by Ethernet, which enables advanced production management and quality control.

Technical Data

Windows CE™ based intelligent teaching pendant

- 7 inch TFT colour LCD
- Graphical User Interface—display with icons
- Jog dial
- 2 x USB 2.0
- SD memory card slot (SD, SDHC)

Networking

- Connection / Communication via Ethernet included
- Optional DeviceNet, Profibus and CC-Link

Controller

- C-like advanced programming language
- 64 bit CPU
- Controls maximum 27 axes
- 3 robots synchronization
- "Multi-mechanism control" – maximum 6 groups multi task
- Standard 40000 points memory
- Standard user I/O 40 each, Option I/O 504 each
- Multi-welding control for maximum 5 digital power sources

Compliant with standards worldwide

- UL, CE, CSA, RIA

Customer Benefits

- Easy programming with Windows CE™ operating system
- Network protocols provides advanced production management and quality control for fine productions
- Increased number of function keys (four to eight), enabling same action with less key strokes during teaching
- Faster and powerful CPU achieving half a minute quick boot up
- Optimum kinematic calculation realizing faster acceleration and deceleration
- Light weight design under 1 kg giving you less stress during teaching
- 'Weld Navigation' for easy weld development

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Panasonic Robot Manual

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Panasonic Robot Manual:

Springer Handbook of Robotics Bruno Siciliano, Oussama Khatib, 2016-07-27 The second edition of this handbook provides a state of the art overview on the various aspects in the rapidly developing field of robotics Reaching for the human frontier robotics is vigorously engaged in the growing challenges of new emerging domains Interacting exploring and working with humans the new generation of robots will increasingly touch people and their lives The credible prospect of practical robots among humans is the result of the scientific endeavour of a half a century of robotic developments that established robotics as a modern scientific discipline The ongoing vibrant expansion and strong growth of the field during the last decade has fueled this second edition of the Springer Handbook of Robotics The first edition of the handbook soon became a landmark in robotics publishing and won the American Association of Publishers PROSE Award for Excellence in Physical Sciences Mathematics as well as the organization s Award for Engineering Technology The second edition of the handbook edited by two internationally renowned scientists with the support of an outstanding team of seven part editors and more than 200 authors continues to be an authoritative reference for robotics researchers newcomers to the field and scholars from related disciplines The contents have been restructured to achieve four main objectives the enlargement of foundational topics for robotics the enlightenment of design of various types of robotic systems the extension of the treatment on robots moving in the environment and the enrichment of advanced robotics applications Further to an extensive update fifteen new chapters have been introduced on emerging topics and a new generation of authors have joined the handbook s team A novel addition to the second edition is a comprehensive collection of multimedia references to more than 700 videos which bring valuable insight into the contents The videos can be viewed directly augmented into the text with a smartphone or tablet using a unique and specially designed app Springer Handbook of Robotics Multimedia Extension Portal <http://handbookofrobotics.org> **Research Handbook on Law, Society and Ageing** Sue Westwood, Nancy J.

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