Specifications

Hardware

MECHANICAL
• DIMENSIONS: 20.5 X 20.5 X 39.7cm (8.1 x 8.1 x 15.7 in)
• IP RATING: 51

ELECTRICAL
• 24VDC Power
• Externally accessible fuse
• Avg draw approx. 50 Watts

INTELLIGENCE
• Microcontroller Server: Renesas SH7144-based controller (specifications)
• Embedded PC with Solid State Memory (request latest specs)

LED INDICATORS
• Main power
• Switched power outputs

Software

NAVIGATION
• POSITIONAL REPEATABILITY ACHIEVABLE: +/-150mm unaided; +/-15mm with target; +/-1 mm mechanical
• TYPICAL LOCALIZATION ACCURACY DRIVING AT 2mps: +/-150mm
• TYPICAL FAILURES PER WEEK: <0.5

SOFTWARE
• µARCS server operating system
• Advanced Robotics Automation Management software
• Network communications
• Training Factory Software
• Optional: Motivity Developer Modules
• Custom integration and applications

Sensors

• SICK LMS200 (indoor) or LMS220

Standard Connections

• 3 switched 5V outputs (2 A each)
• 4 switched 12V outputs (1 A each)
fabricated, and painted aluminum case

- RANGE: max. 150 m
- with minimum reflectivity 1.8%: 4 m
- RESOLUTION: 1 mm at 32 meters
- ACCURACY: +/- 7.5 mm
- ANGULAR RESOLUTION: 100° Scan: 0.25°/0.5°/1.°, 180° Scan: 0.5°/1.° configuration using software
- INTERFACE: RS-232 Serial Interface
- DATA TRANSFER: 38.4 Kbaud
- DIMENSIONS: 155 x 185 156 mm (WxHxD)
- WEIGHT: 4.5 kg
- POWER CONSUMED: max. 17.5 W

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