

HL-C Mobile Machinery Controller



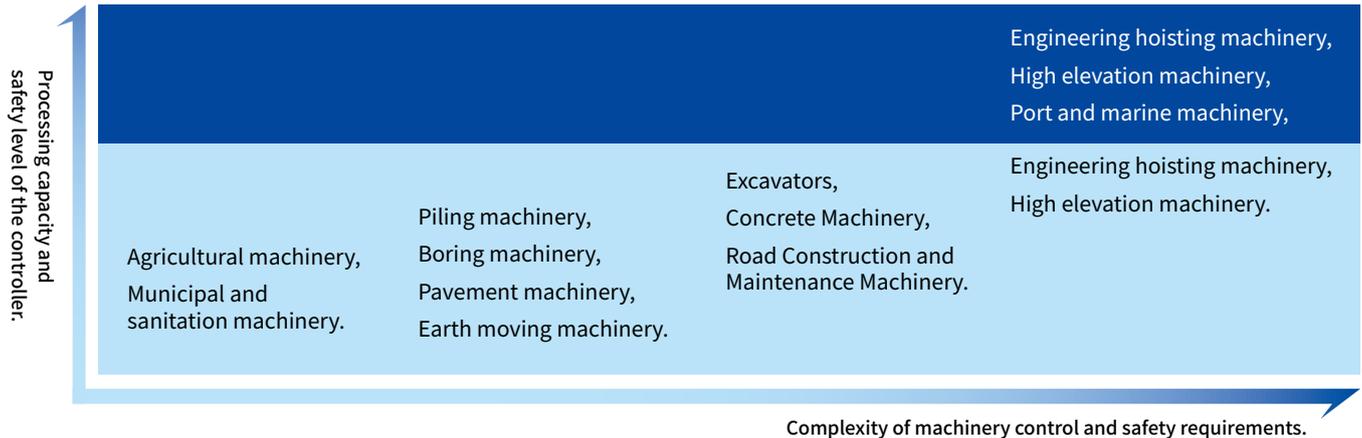
Due to the sophisticated nature of the networked world of today, increasingly higher demands are now being placed on your mobile machinery. Modern requirements include equipment

intelligence, informatization, efficiency, reduced energy consumption, safety and reliability. Mobile machinery manufacturers have also racked their brains to create new technical innovations and personalized products in order to stand out in the fierce competition of global markets.

We are able to supply our customers with a variety of tailor-made solutions and highly competitive products based on our long experience in the field of mobile machinery control, all in line with the most modern developments. Safe and

reliable, the HL-C mobile machinery controller is capable of fast processing even under the harshest operating conditions. All major characteristics of mobile applications have been fully considered in terms of product connectivity and interface design.

The HL-C mobile machinery controller has been fitted with a flexible I/O terminal, to support all manner of communications, including CAN and RS232, in order to satisfy customer demands.



Features:

- 300 MHz processor ensures the highest possible performance.
- Monitoring function available at input and output to facilitate fault deflection.
- Flutter frequency and amplitude can be set against the ratio of electromagnetic output to reduce hysteresis.
- Closed-loop output of electromagnetic ratio is not affected by voltage and temperature.
- Improved design, for better electromagnetic compatibility.
- Ingress protection: IP67, resistant to dust and water.
- Operating temperature range: -85°C ~-40°C , supporting your machinery even in the harshest operating environments.
- Vibration and shock specifications meet all requisite requirements.

Areas of application:



Official WeChat

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Germany
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America
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Japan
+81 03 6809 1696

India
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HL-C series

intelligent mobile machinery
controller is specifically designed
for mobile machinery control



Technical specifications of the HL-C series

Specifications of the working power supply

| Parameters | Specifications |
|---------------------|----------------|
| Input voltage range | DC9.0V-36V |
| Current consumption | Max.30A |

Specifications for external sensor on output power supply

| Parameters | Specifications |
|----------------------|----------------|
| Output voltage range | DC5.0V+/-0.1V |
| Output current | Max.0.5A |



Input interface specifications

| Type | Number of channels | Specifications |
|----------------------------------|--------------------|-----------------------|
| Analog voltage input (Type A) | 18 | 0-5V Input voltage |
| Analog voltage input (Type B) | 3 | 0-32V Input voltage |
| Analog resistance input (Type A) | 2 | 50-500 Ω |
| Analog resistance input (Type B) | 2 | 50-5000 Ω |
| Effective high digital input | 8 | Voltage (0-32V) |
| Effective low digital input | 8 | Voltage (0-32V) |
| PWM input | 8 | Frequency (0.5-10kHz) |

Output interface specifications

| Type | Number of channels | Specifications |
|--------------------------------|--------------------|----------------|
| Output of ratio electromagnet | 26 | Max.2A |
| Output of switch electromagnet | 8 | Max.2A |

Communications interface specifications

| Type | Number of channels | Specifications |
|-------|--------------------|--|
| CAN | 4 | Supports 2.0A/B J1939 open programming |
| RS232 | 1 | Special maintenance interface |