

XW5-R Rated Capacity Indicator with Height & Slew Limitation

Suitable for
• Road Rail Machines



The XW5-R has been configured to work on road rail excavators. Height, slew and RCi limitation is controlled using proportional soft-stop hydraulic valves providing accurate and repeatable performance without detriment to the machine. Particular attention has been paid to the ease of use, ease of installation and ease of calibration. Compatible with XW-INSITE and electric hydraulic control systems.

XW5-R is built on certified SIL2 componentry with optional integration to 3D machine positioning systems and to hazard detection systems.

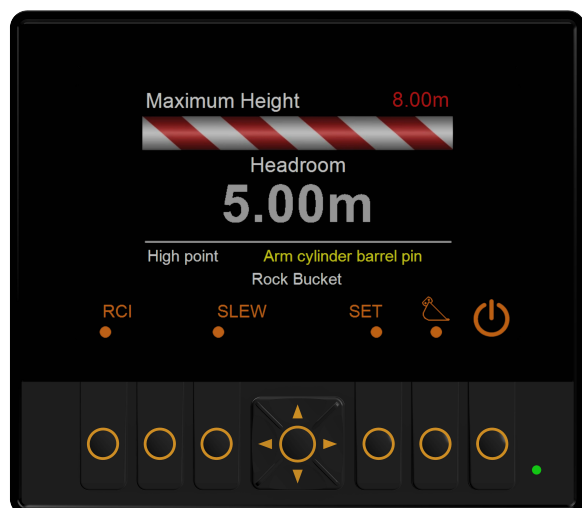
XW5-R is fully compliant with RIS1530 issue 7 and is supported with sophisticated lift planning software. Cable connection harnesses supplied as standard.



XWATCH
SAFETY SOLUTIONS

part of Hexagon

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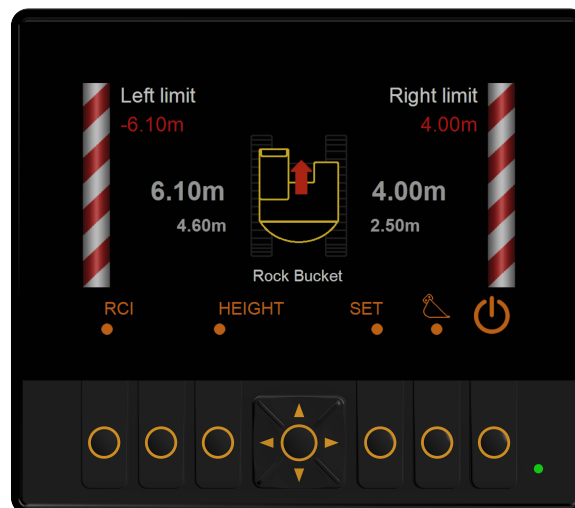
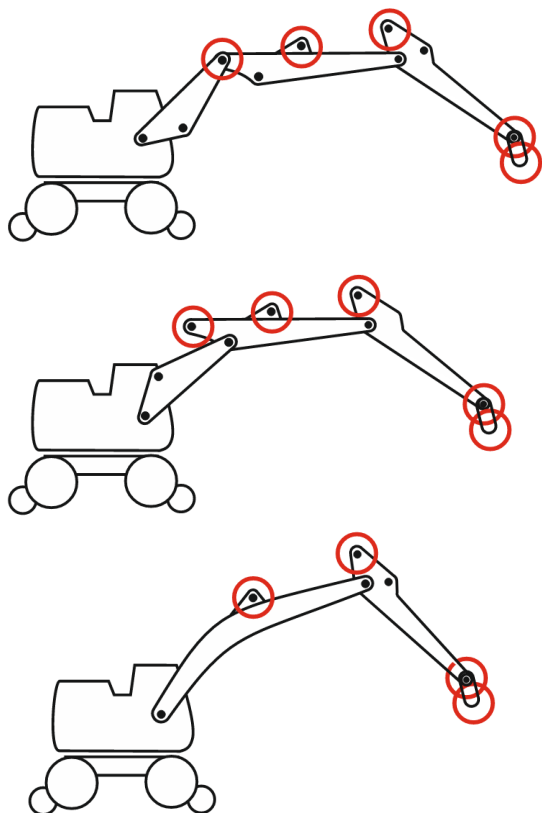


Height Limitation

Operation is fail safe and fully automatic with function selection never more than two key presses away.

All potential machine high points are monitored and appropriate motions controlled. Full power is always available to move away from a limit.

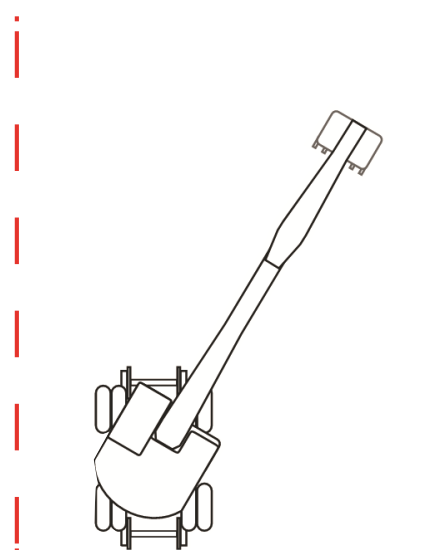
Motions are controlled with ramped slow down on approach and soft-stop. There is no machine 'bounce', overshoot or undershoot.



Slew Limitation

Single or dual parallel wall is available. When walls are in use, the front end equipment is also monitored and controlled for limit breach.

Limits can be either manually keyed in or set by positioning the machine. The slew limits are monitored and shown in metres from the centre line of the machine which is also visible on the display. Set up is simple, quick and can be protected with an optional access key switch. All settings are retained and will be active on start-up.



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Base system

Major components carry a **five year** guarantee excluding misuse and physical damage.

IO Controller

Certified SIL2 controller. Tri-core processor with 2 separate CANBUS. 16 inputs and 16 outputs. Status LED. Ethernet.

Angle sensors

Dynamic inertial sensor technology. Multi axis, 0.5 degree accuracy during all dynamic machine movements. High MTTFd (mean time to dangerous failure) of 619 years (EN ISO 13849-1) IP69K. Shock and vibration resilient to EN60068.

Display

Responsive high contrast, high resolution sunlight visible 4.3" display. Adjustable brightness. 6 tactile buttons + multi function navigation key. Supervisor key switch. RAM mount. ARM dual-core processor, 800Mhz.

Pressure sensors

400 bar 4-20mA. Stainless steel, IP67. Connected to both piston and annular sides of the boom lift cylinders.

Cabling

Fully integrated harnesses supplied as standard.

Hydraulics

Custom made hydraulics, with super compact aluminium PWM proportional sandwich valve.

Features/Options

Additional Features

- Platform sensor is standard
- Rail gear position monitoring
- Tandem lift option
- 8 lifting duties
- Axle lock monitoring with unlock inhibit output for RCI
- Integrated system override and recovery
- Rail cant and track gradient monitoring
- Travel inhibit output