

MK2 - XW2 Series **Rated Capacity Indicator** **with Height Limitation**

Suitable for

- Excavators
- Special purpose machines

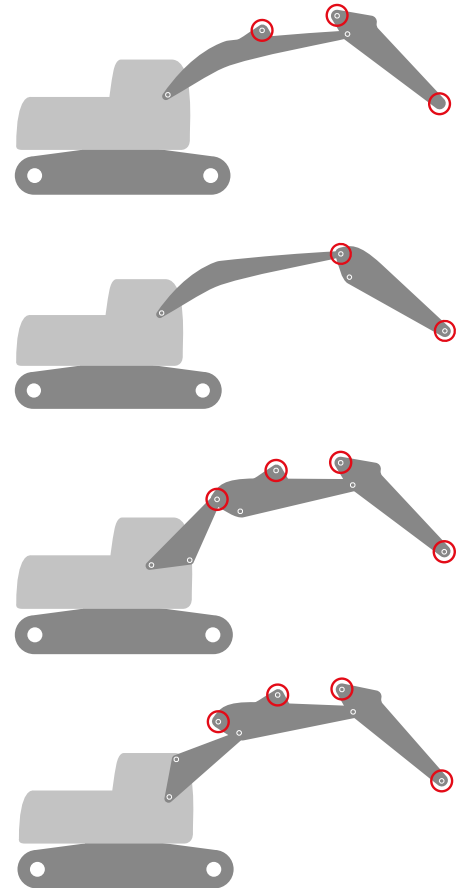
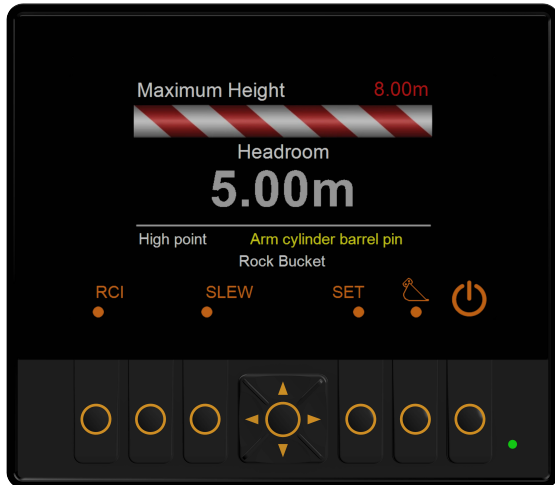


The XW2 can be configured to work on any type of hydraulic excavator. Overload and height limitation is controlled using proportional soft-stop hydraulic valves providing accurate and repeatable performance without detriment to the machine. A basic dig depth monitor is available when the RCI is not required. If hazards arise, XW2 will automatically flip to the relevant display page.

XWATCH
SAFETY SOLUTIONS

part of Hexagon

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

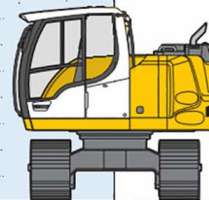
All potential machine high points are monitored and appropriate motions controlled. Full power is always available to move away from a limit. Motions are controlled with ramped slow down on approach and soft stop. There is no machine 'bounce', overshoot or undershoot. An optional chassis sensor can be installed to correct for terrain slope. Provides safe machine recovery mode as a standard feature.

Limits can be either manually keyed in or set by positioning the machine. If both limits are active, the system will automatically flip to the appropriate display should a hazard approach occur. 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.

Load Charts

Load charts compliant with ISO10567 are supplied for each lifting duty.

	8.0m	7.5m	7.0m	6.5m	6.0m	5.5m	5.0m	4.5m	4.0m	3.5m	3.0m	2.5m	2.0m	1.5m	1.0m	0.0m
7.0m					4.56t	4.57t*										
6.5m				3.96t	4.56t	4.61t*										
6.0m			3.45t	3.95t	4.53t	4.72t*										
5.5m			3.44t	3.92t	4.49t	4.89t*	4.99t*									
5.0m		3.02t	3.42t	3.88t	4.43t	5.11t	5.29t*	5.50t*								
4.5m		3.00t	3.38t	3.83t	4.36t	5.01t	5.65t*	5.97t*	6.39t*							
4.0m		2.97t	3.33t	3.76t	4.28t	4.91t	5.70t	6.51t*	7.10t*	7.93t*	9.15t*					
3.5m	2.62t	2.93t	3.28t	3.70t	4.19t	4.79t	5.54t	6.52t	7.82t	9.03t*	10.82t*					
3.0m	2.60t	2.89t	3.23t	3.63t	4.10t	4.67t	5.39t	6.31t	7.52t	9.22t						
2.5m	2.57t	2.85t	3.17t	3.56t	4.01t	4.56t	5.24t	6.10t	7.25t	8.81t						
2.0m	2.54t	2.81t	3.12t	3.49t	3.92t	4.45t	5.10t	5.92t	7.00t	8.49t						
1.5m	2.51t	2.77t	3.07t	3.42t	3.84t	4.35t	4.97t	5.76t	6.81t	8.26t						
1.0m	2.48t	2.73t	3.02t	3.37t	3.77t	4.26t	4.87t	5.64t	6.66t	8.11t						
0.5m	2.46t	2.70t	2.98t	3.32t	3.71t	4.19t	4.78t	5.54t	6.56t	8.02t						
0.0m	2.44t	2.68t	2.95t	3.28t	3.66t	4.13t	4.72t	5.47t	6.49t	7.97t	7.23t*					
-0.5m		2.66t	2.93t	3.25t	3.63t	4.09t	4.67t	5.43t	6.46t	7.95t	8.51t*	6.45t*				
-1.0m		2.65t	2.91t	3.23t	3.60t	4.06t	4.64t	5.40t	6.44t	7.96t	9.91t*	7.93t*	6.67t*			
-1.5m			2.91t	3.22t	3.59t	4.05t	4.63t	5.40t	6.45t	7.98t	10.42t	9.43t*	8.15t*	7.45t*		
-2.0m			2.92t	3.22t	3.59t	4.05t	4.64t	5.41t	6.47t	8.02t	10.49t	11.00t*	9.63t*	8.81t*		
-2.5m				3.24t	3.61t	4.07t	4.66t	5.43t	6.51t	8.07t	10.56t	12.71t*	11.18t*	10.22t*	6.75t*	
-3.0m				3.28t	3.64t	4.10t	4.69t	5.48t	6.56t	8.14t	10.66t	14.60t*	12.85t*	11.71t*	7.92t*	
-3.5m					3.69t	4.15t	4.75t	5.54t	6.63t	8.24t	10.78t	14.90t*	14.70t*			
-4.0m						4.23t	4.82t	5.62t	6.73t	8.35t	10.93t	13.82t*	16.03t*			
-4.5m							4.93t	5.73t	6.85t	8.50t	11.01t*					
-5.0m									7.02t							



XWATCH SAFETY SOLUTIONS	
Model	Komatsu PC210-10LC
Serial Number	K60907
Equipment	5m70 Boom, 2m92 Arm, QH
Lifting Duty	360° Bucket Pin

Lift capacities are quoted in tonnes, are in compliance with ISO 10567, and assume that the machine is operated on firm level ground. They do not exceed 87% of hydraulic lifting capacity (indicated with *) or 75% of the tipping load. Loads are to be suspended vertically below the bucket pin. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and height. Weight of all accessories must be deducted from the quoted lift capacities.

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Base System

Benefits:	Options:
• Single safety ECU. • Unparalleled reliability with sophisticated on-board diagnostics. • Maximises machines lifting capacity. • Simplified installation. • Reduced component and connection count. • All valves and assemblies supplied. • Easy to use context aware user interface with dedicated tactile buttons. • Simple set-up and calibration. • Plug and play component replacement – reduced downtime for fault conditions.	• Expandable output control for track/ wheel lock*. • Compatible with electronic hydraulic control systems**. • Integration to hazard detection systems***. • Cab elevation monitoring for material handlers. • Telescopic moving parts monitoring and control.
Key Features:	Technical Specifications:
• Height limits. • Dig depth assist limits. • Smooth stopping at movement limits. • Soft stop and soft start, controlled lifting. • Advanced on-board diagnostics OBD. • Simplified service / set-up and calibration application. • Hydraulic limit protection. • Backwards instability protection. • Alternative lifting points. • Safe machine recovery mode. • Operator adjustable screen brightness. • Multiple languages supported. • User access control.	• Compatible with 12v and 24v systems. • ECU -40°C to 85°C temperature range. • IP55 controller sealed enclosure. • SIL2 safety hardware architecture. • 16 safe inputs. • 16 safe outputs. • Can Interface SAE J1939 at 250 Kbits/s. • EN ISO 13849:2015 performance level D. • 4.3" 800 x 480 high contrast display. • High Brightness 1000C d/m2 display.

*Requires Xwatch 'XPander' module.

**Requires Xwatch 'Electronic Valve Controller' module.

***Requires Xwatch 'Safety Gateway' module.

Choose your XW Series

	XW1	XW2	XW3	XW4	XW5
Height Control	✓	✓	✗	✓	✓
Slew Control	✗	✗	✓	✓	✓
Rated Capacity Indicator (RCI)	✗	✓	✗	✗	✓



Want to know more?

visit xwatch.co.uk

XWATCH
SAFETY SOLUTIONS

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Operation Guide

