


PME500

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- Rated Capacity Controller/ Load Management System (RCC/LMS) & Height Limiter



A yellow excavator is shown in a construction site, lifting a large white pipe. The excavator's arm is extended, and the pipe is suspended by a yellow strap. The background shows trees and a clear blue sky.

Functions:

-  Height
-  3D Envelope monitoring
-  Load Control
-  Stability
-  Slew

Suitable for:

- Excavators
- Telehandlers
- Mobile Cranes
- Truck Mounted Cranes
- Forklifts

BASIC FUNCTIONALITY

PME500 is the newest, most technologically advanced and compliant Rated Capacity Controller/ Load Management System (RCC/LMS) to be released by WebbairProlec in Australia. The PME500 system improves the safety and efficiency of heavy plant, such as excavators, when involved in lifting operations.

The PME500 system replaces the Liftwatch 5 RCI, offering advanced new features including improved graphics and user-friendly screens. This system still retains all the Australian compliance features that have been approved by governing bodies and OEMs Australia wide. Don't be caught out with non-compliant limitations.

The WebbairProlec PME500 is still the only RCC/ LMS control system available in Australia today that is fully compliant to Australian Standards.

The PME500 system allows excavators to achieve the maximum Safe Working Load (SWL) for lifting over the entire working envelope of the machine. This creates a situation that allows the machine to 'legally' lift up to ten times the machines current SWL, making machines not only safer but hugely more productive.

An example of this is that, after fitting a PME500 system, a 30 tonne excavator could be used to lift pipes weighting 6-10 tonnes or freely suspended loads up to 17 tonne. This creates an extremely attractive and fiscal saving when choosing a machine to undertake lifting applications.

PME500 allows contractors to meet their occupational health and safety obligations, as well as meeting the requirements of Australian Standards AS1418.8 & AS1418.5 for Rated Capacity Controller/ Load Management Systems (RCC/LMS).

PME500 meets the requirements for Height limiting, Cab protection and controls dig depth which protects underground infrastructure and saves time and money in digging applications.

Webbair Prolec Pty Ltd, 17 Keppler Circuit, Seaford Vic 3198

T: 100 092 995 E: sales@webbair.com.au W: www.webbair.com.au

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Features

- Real time display of information including:
 - Approach to Safe Working Load (SWL)
 - Lifting point Safe working load & radius
 - Multiple machine lifting duties
 - 'Load on Hook' shown before actual lift
 - 'On Screen' machine load charts for planning lifts
 - 'On Screen' display of limits that have been set
- Height monitoring and limiting
- Slew limiting
- Full 'virtual wall' technology and limiting
- 4.3" HD screen suitable for both daylight and nighttime operations
- Master override key module
- Cab protection
- Minimum radius control
- Storing of machine data creating traceability of events
- Dig depth control for the protection of infrastructure and increased production.
- Audible and visual alarms on overload or limit being reached.
- Failsafe Hydraulic Control Manifolds with Emergency Override facility

Standards, Tests and Specification

Full testing, traceability and control on design to ensure the operation is as planned and the functionality as safe as possible.

- Complies with AS1418.8 and AS1418.5 ISO 10567
- Complies with H&S requirements on the machinery directive EN2006/42/EC
- Designed to meet EN474; BS7262; EN10567; EN13000:2010; EN13844; EN12077; EN62061; EN60204:2006
- Complies with LOLER requirements for UK lifting
- EMC EN13309:2010; EN50121-3:2006
- Tested for vibration, temperature, impact and environmental protection to standards
- Controller tested to IP67 and IP69k, display rated to IP65
- Display daylight viewable (650cd/m2)
- Input voltage 10-32V
- Power requirements as installed.
System off: 2mA. 10V system: 1A, 32V system: 500mA

Benefits

- Assures plant owner that equipment is being used 'safely' and within its limitations
- Ensures equipment can achieve maximum safe lifting capacity over the entire working envelope
- Offers 'virtual wall' slew limiting control
- Improves safety management
- Assists in meeting operational health & safety and client obligations
- Increases production

Upgrade Options

- Settable limits with Key Switch protection



Custom Built Failsafe Manifolds



Sensors and Dual Transducers



I/O Safety Controller