

PME200



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



The image shows a yellow excavator with a long-reach boom lifting a large white pipe. The excavator is positioned on a gravel surface, and the background shows trees and a clear sky.

Functions:

-  Height
-  2D Envelope monitoring
-  Load Control
-  Stability

Suitable for:

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

BASIC FUNCTIONALITY

PME200 is the most technologically advanced and compliant Rated Capacity Controller/ Load Management System (RCC/LMS) to be released by WebbairProlec in Australia. The PME200 system improves the safety and efficiency of heavy plant, such as excavators, when involved in lifting operations.

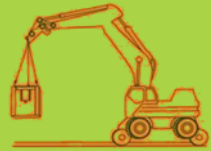
The system allows excavators to achieve the maximum Safe Working Load (SWL) for lifting over the entire working envelope of the machine. This creates a situation that allows the machine to 'legally' lift up to ten times the machines current SWL, making machines not only safe but hugely more productive.

An example of this is that, after lifting a PME200 system, a 30 tonne excavator could then be used to lift pipes weighing 6-10 tonnes or freely suspend loads up to 17 tonne. This creates an extremely attractive and fiscal saving when choosing a machine to undertake lifting applications.

PME200 aids contractors to meet their operational health and safety obligations and also meets the requirements of Australian Standards AS1418.8 & AS1418.5 for Rated Capacity Controller/ Load Management System (RCC/LMS)

PME200 also meets the requirements for Height limiting, Cab protection (AS1418.8) and Control of dig depth which protects underground infrastructure and saves time and money in digging applications.

PME200



Features

Real time display of information including:

- Approach to Safe Working Load (SWL)
- Lifting point Safe working load & radius
- Machine lifting duty
- '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

Cab protection

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

Upgrade Options

Settable limits with Key Switch protection

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 (2008) and AS1418.5 (2002) 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 and is Certified to Loler in Australia, 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 owners that equipment is being used safely and within its limitations

Ensures equipment can achieve maximum safe lifting capacity (SWL) over the entire working envelope.

Improves safety management

Assists in meeting operational health & safety and client obligations



Sensors and Dual Transducers



Custom Built Failsafe Manifold



I/O Safety Controller