



# Prolec

## PME 100

### Height limiter

 **Network Rail Approved**



The PME100 range protects operators and assets against overhead structures, including bridges, signs, and power lines.

This range of systems provides **real time height limitation**, using a vertical working envelope, the system monitors the boom and dipper to keep a safe working environment when the limits are set.

Hydraulic motion cuts are standard on all PME100 systems to automatically override movement and halt the machine when limits are reached

#### Benefits:

- ▶ Real-time display of height
- ▶ Indication of safe direction of movement when at limits
- ▶ Protects against overhead hazards
- ▶ Monitors boom and dipper
- ▶ (Optional) Minimum and maximum radius and low limit
- ▶ Proportional valve control, allowing safe work while close to height limits

#### Why choose PME?

- ▶ Protects operators
- ▶ Simple to use
- ▶ Cost-effective
- ▶ Trusted worldwide
- ▶ Data logging standard

Use the right machine for the job, even in a confined space.

Data Logging is standard on all PME systems. Together establishing a working environment that is not only efficient but, more importantly, safe.



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## Height limiter

### PME 100:

- ▶ **Advanced Height Monitoring:** Our system offers real-time height monitoring with precision accuracy. It ensures that machinery operations stay within safe and permissible height limits, **preventing accidents and minimising damage.**
- ▶ **Data Logging and Analysis:** The system captures detailed operational data, providing a wealth of insights for post-task analysis. This information is invaluable for improving workflow efficiency and identifying areas for enhancement.
- ▶ **Sleek User Interface:** The intuitive user interface provides operators with clear visual cues, real-time measurements, and alerts. It simplifies complex data, allowing operators to focus on the task at hand.



### Height limiting explained:

Height limiters are fitted to excavators to monitor the machine's position in relation to pre-set height limits, warning operators when these are approached and improving worksite safety. This helps prevent collisions with overhead hazards such as bridges, signs and power lines, protecting operators and critical infrastructure

### Key Features:

- ▶ Height limiter
- ▶ Individual operator set working limits
- ▶ 4.3" daylight viewable HD display
- ▶ Simple, icon-driven menu
- ▶ Languages: multiple as required
- ▶ Fully sealed capacitive touch buttons
- ▶ Override keyswitch
- ▶ Supervisor keyswitch
- ▶ Hydraulic motion cuts
- ▶ (Optional) Proportional valve control
- ▶ Available for mono and triple boom machines
- ▶ External alarm
- ▶ Full traceability and logging for audit purposes (4GB capacity approx 6 months' usage)
- ▶ EN13849-1:2015 Performance level C

### Technical Specifications:

Tested for vibration, temperature, impact and environmental protection to standards  
Complies with H&S requirements on the machinery directive EN2006/42/EC  
Compliant to EN474-1:2022, EN474-5:2022  
EMC EN13309:2010; EN50121-3:2006  
Operating temperature range -20°C to 65°C