



LEADERS IN INSTRUMENTATION FOR THE LIFTING INDUSTRY

500 SERIES

RATED CAPACITY & LOAD MOMENT INDICATORS / LIMITERS FOR ALL CRANES

Simple & Easy to use
Full microprocessor control
Clear easy to read display
Back lit for night use
Rugged alloy housing
Meets all known standards including: -
BS 7262:1990 & BS 7121:2000



TOTAL MOMENT SYSTEMS MONITORING

Hydraulic pressure in boom lift cylinders
Forces in the boom suspension ropes & pendants
Compensating cylinder pressures



LOAD SENSING SYSTEMS MONITORING

Tension in the hoist rope—line pull
Line-Rider (Dynamometer)
Dead-End (Hoist rope anchor)



TELESCOPIC LENGTH MONITORING



SIMPLE TO INSTALL

No special equipment required
Full instructions provided to install & calibrate
User friendly software
Fully trained engineers available
World-wide support

**RELIABILITY
VERSATILITY
SIMPLICITY**

DESIGNED & MANUFACTURED BY...

LOADWISE INTERNATIONAL LIMITED





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The 500 series is a fully automatic microprocessor controlled system and operational aid that clearly displays the information and warnings needed for the driver to operate the crane within the parameters of the crane's duty chart. For a fully featured indicator with a range of expansion options the 500 is the ideal choice.

Systems to suit all crane types including: -

- TELESCOPIC CRANES
- LATTICE CRANES
- LOADER CRANES (KNUCKLE BOOM)
- CONTAINER HANDLING CRANES
- PORT CRANES
- SHIP-BOARD CRANES & WINCHES
- OFFSHORE CRANES



Key Features include: -

- Large digital display (45mm x 125mm) - all essential information continuously displayed including:-
- Duty configuration selected
- Hoist drum (winch) selected and the number of lines (falls) reeved on the hook block
- Rated Capacity (Safe Working Load)
- The weight of the load
- A bar graph indicating the actual load lifted as a percentage of the rated capacity
- The radius of the load
- The angle of the boom
 - Visual & audible warnings of approach to and overload conditions
 - Warning messages: Out of radius/angle/duty. Over-Hoist (A2B), High/Low boom angle, Cut-Out Out of level, Last winding (minimum wraps left on the winch drum)
 - Boom length & Height of boom head
 - Operator Adjustable Limits
 - Rated Capacity Limiter to existing crane motion controls
 - ◇ Optional features
 - Range Limiting—"Virtual Wall"
 - Slew Position by absolute encoder or proximity sensors
 - Data Logging
 - Wind Speed Indicator
 - Customised options on application



TECHNICAL SPECIFICATION

Display: Backlit LCD, 4 lines of 20 characters each. Horizontal or Vertical format
 Temperature range: -20°C to +60°C - BS7262:1990. -30°C to +50°C - SAE J159 USA
 Supply Voltage: 9.5 to 30V DC
 Current Drain: 500mA
 Relay Contacts: 10Amps volt free
 Inputs Analogue: Up to 3 Load, 3 Angle & 2 Length
 Inputs Digital: Switching open/closed to supply voltage: Up to 255
 Outputs: 10 including four undefined relay coil outputs
 Memory capacity: Up to 10,000 duties
 Executive switches, opto-coupled to supply voltage: 8
 Enclosure sealing: IP65
 Boom angle sensor accuracy: +/- 0.1°
 Compliance with Health & safety requirements: 93/68/EEC, 89/336 & 92/31/EEC, EN50081-1-1:1992, EN50082-1:1997

Presented by:

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Loadwise International has a policy of continuous product improvement and reserves the right to amend specifications without prior notice

