



**LEADERS IN INSTRUMENTATION FOR THE LIFTING INDUSTRY**

## **800 SERIES**

### **RATED CAPACITY & LOAD MOMENT INDICATORS / LIMITERS FOR SMALLER 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 800 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. Designed to meet the requirements of smaller cranes & those with typically up to 20 load charts.

Systems to suit all crane types including: -

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



Key Features include: -

- Clear digital display (25mm x 76mm) - 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
    - ◇ Optional features
      - Rated Capacity Limiter to existing crane motion controls
      - Wind Speed Indicator
      - Customised options on application



**TECHNICAL SPECIFICATION**

Display: Backlit LCD, 4 lines of 20 characters each. 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 (optional): 10Amps volt free  
 Inputs Analogue: Up to 2 Load, 1 Angle & 1 Length  
 Inputs Digital: Switching open/closed to supply voltage: 3  
 Outputs: 10 including four defined relay coil outputs  
 Memory capacity: Up to 20 duties  
 Executive switches, opto-coupled to supply voltage: 4  
 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

