

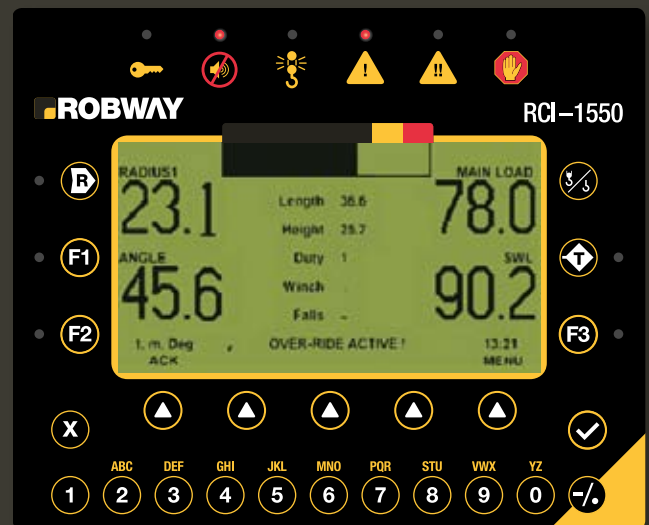


# RCI-1550 Rated Capacity Indicator



Cost-effective solutions / World-wide support / Quality and innovation

- Designed for the operator
- Suits all crane types
- Extensive loadchart memory
- Comprehensive fault reporting
- Simple calibration techniques
- Data-logging
- Plug-in cables
- CE certification
- Back-lit display for night operation
- Fully tested against temperature, humidity & vibration
- Incorporates anti-two-block
- Multiple load sensing



# RCI-1550 Rated Capacity Indicator

Internationally Recognised Certification

## Features

- The RCI-1550 utilises industry-proven external sensors.
- Designed for maximum versatility, the RCI-1550 can monitor up to four load inputs, three angle and three potentiometer style inputs (i.e length, slew etc.)
- Central processing unit has ample capacity for data storage, such as load charts, calibration and data logging.
- Extensive transient protection testing has been performed to ensure faultless operation under severe climatic conditions such as lightning.
- Designed for:
  - mobile cranes
  - shipyard/harbour level luffers
  - container cranes
  - tower cranes
  - gantry cranes
  - excavators
  - offshore pedestal cranes (area classification: safe - area cabin & zone 1 or zone 2 boom)
- Large dot-matrix LCD screen for simultaneous display of boom length, angle, radius, safe working load (SWL), falls or parts of line, duty (crane configuration), active hook load, and local time.
- Optional tilt/level indication
- Audible alarm and bargraph for visual indication of SWL percentage and alarm conditions
- Multiple digital inputs for optional proximity switches used to monitor boom position around the areas of operation as specified by the crane's load charts, and for other special switch requirements.
- Multiple output relays for optional external audible alarm, motion cut/lockouts
- External warning lights and others as required by the application
- Secured calibration function access via PIN
- Metric and imperial unit conversion feature
- Serial interface for optional wind speed (anemometer) sensors, encoders for monitoring hook height and trolley radius on tower cranes, radio/wireless devices, and Robway E-Log Unit.



- Complies to the requirements of British Standard BS7262 and other known international legislation requirements.
- As the 1550's system is so flexible, please contact a Robway Safety Systems representative for information about configurations for your specific applications. Specifications may vary without notice.

## Specifications

- Reverse polarity protection
- Low and over-voltage protection
- Ultra low power consumption
- Operating voltage of 10.5 VDC to 40 VDC
- For VAC input supply, optional AC to DC power supply is provided
- Industrial working temperature range of -20°C to 70°C
- Standard 10 analogue inputs for multiple load, length, and angle sensors, and optional tilt sensor
- Standard 8 digital (switch) inputs and 8 relay outputs
- Standard 2MB flash memory card for data-logging records
- Fully tested against humidity and vibration
- Display in 316 grade stainless steel enclosure rated to IP64, and control unit in sheet steel dipcoat primed in RAL 7044 enclosure rated to IP66 (stainless steel enclosure for marine/offshore application also available).