

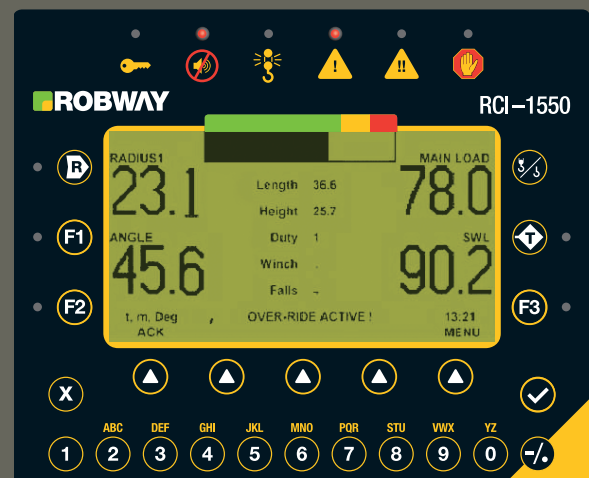


## RCI-1550 **Rated Capacity Indicator**

**ROBWAY**

Cost-effective solutions / Worldwide support / Quality and innovation

- ▶ Suits all crane types
- ▶ Extensive loadchart memory
- ▶ Comprehensive fault reporting
- ▶ Simple calibration techniques
- ▶ Data logging
- ▶ Plug-in cables
- ▶ Back-lit display for night operation
- ▶ Fully tested against temperature, humidity and 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 (ie 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 and zone 1 or zone 2 boom).
- ▲ Large dot-matrix LCD screen for simultaneous display of boom length, angle, radius, safe workin loading (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.
- ▲ Secure 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's E-Log unit.



- ▲ Complies with the requirements of British Standard BS7262 and other known international legislation requirements.
- ▲ The 1550 system is flexible. Please contact Robway for information about configurations for your 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 2 MB flash memory card for data-logging records.
- ▲ Fully tested against humidity and vibration.