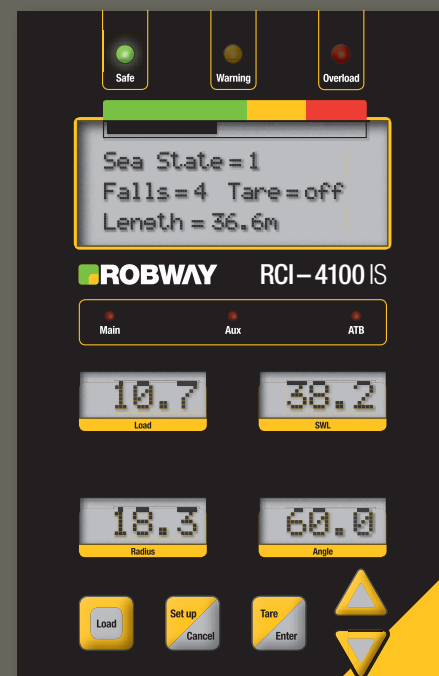




## RCI-4100IS **Rated Capacity Indicator**

Cost-effective solutions / Worldwide support / Quality and innovation

- ▲ Intrinsically Safe System designed specifically for offshore hazardous areas
- ▲ Certified to IECEx Class 1, Zone 1 and ATEX Class 1, Zone 1 standards
- ▲ Automatic Gross Over-moment Protection (AGOP) / manual Gross Over-moment Protection (GOP) facilities
- ▲ Restricted multiple slew zone monitoring facility
- ▲ Hook height / position monitoring facility
- ▲ Wind speed indication facility
- ▲ Anti-2-Block (ATB) facility with open/short circuit detection feature
- ▲ Historical data logging including overload history
- ▲ Extensive memory capacity
- ▲ Self-diagnostic fault-finding
- ▲ Simplified calibration techniques





# RCI-4100IS Rated Capacity Indicator

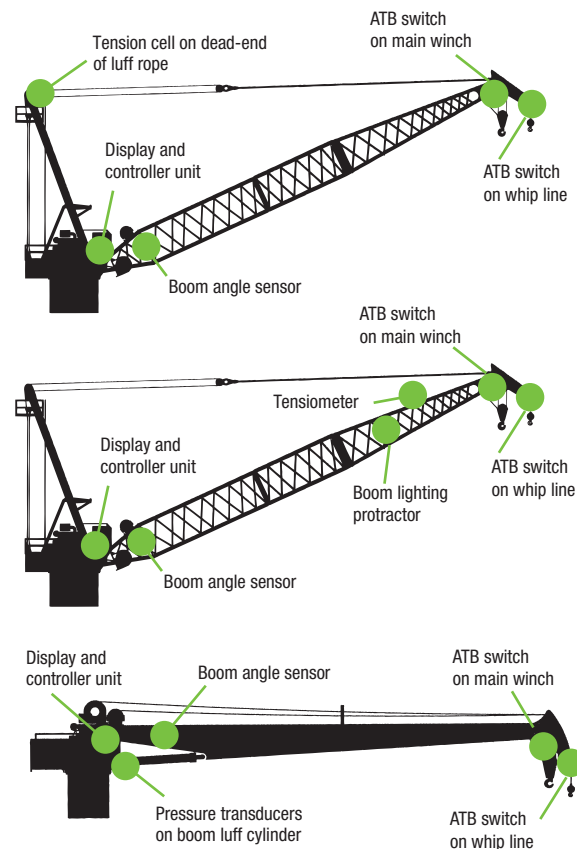
Internationally Recognised Certification

The Robway RCI-4100IS is an Intrinsically Safe Rated Capacity Indicator specifically designed for offshore cranes operating in hazardous areas.

The RCI-4100IS provides the crane operator with an in-cabin alphanumeric and numeric LCD display of the hook loads, safe working loads (crane curves), boom length, boom angle, radius, hoist rope falls, duty (sea-state), local time & date, and boom tip height. Other operational data such as AGOP/GOP activation, wind speed, boom slew position, and hook position are also provided on the display when these optional devices are supplied with the system.

## Features

- ▲ Robway is a quality certified company to ISO 9001:2008.
- ▲ Simplified calibration & fault-finding techniques have been developed by Robway to minimize down-time.
- ▲ The RCI-4100IS can be supplied with historical data logging of crane usage and/or overload history.
- ▲ Designed for hazardous area application and complies with IECEx Class 1, Zone 1 and ATEX Class 1, Zone 1 Standards.
- ▲ The RCI-4100IS can be supplied with a Restricted Slew Zone Controller. The RSZ warns the operator of impending collisions with jack-up legs or other obstacles on offshore drilling rigs and restricts travel of load over hazardous areas. Multiple restricted zones can be set.
- ▲ Automatic Gross Over-moment Protection (AGOP) or manual Gross Over-moment Protection (GOP) system can be integrated into the RCI-4100IS to suit application.
- ▲ Integrated Lightning Protectors provide added protection to the RCI-4100IS system from damage during lightning storms.
- ▲ Tare facility included in the standard system.
- ▲ Operator-selectable sea-states / duties.
- ▲ Multiple relay outputs for activating AGOP/GOP device and external alarms, also for inhibiting hoist, luff and slew motions.
- ▲ Analogue outputs for specialized applications.
- ▲ Robway provides comprehensive product training in-house.



## Classifications

	Certificate of Conformity	Environmental Protection
<b>Display Unit</b>	IECEx Class 1, Zone 1, Ex ib IIB T4	IP65
<b>Control Unit</b>	IECEx Class 1, Zone 1, Ex d IIB T4 ATEX Class 1, Zone 1, II 2G EEx d IIB T4	IP65
<b>Angle Sensor</b>	IECEx Class 1, Zone 1, Ex d IIB T4 ATEX EEx d IIC T4	IP67
<b>Load Sensor</b>	(Classified as a simple apparatus)	IP68
<b>ATB Switch</b>	(Classified as a simple apparatus)	IP67



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