

i4500 Load Moment Indicator LMI

For telescopic boom cranes

Boom angle and length

Load Reading



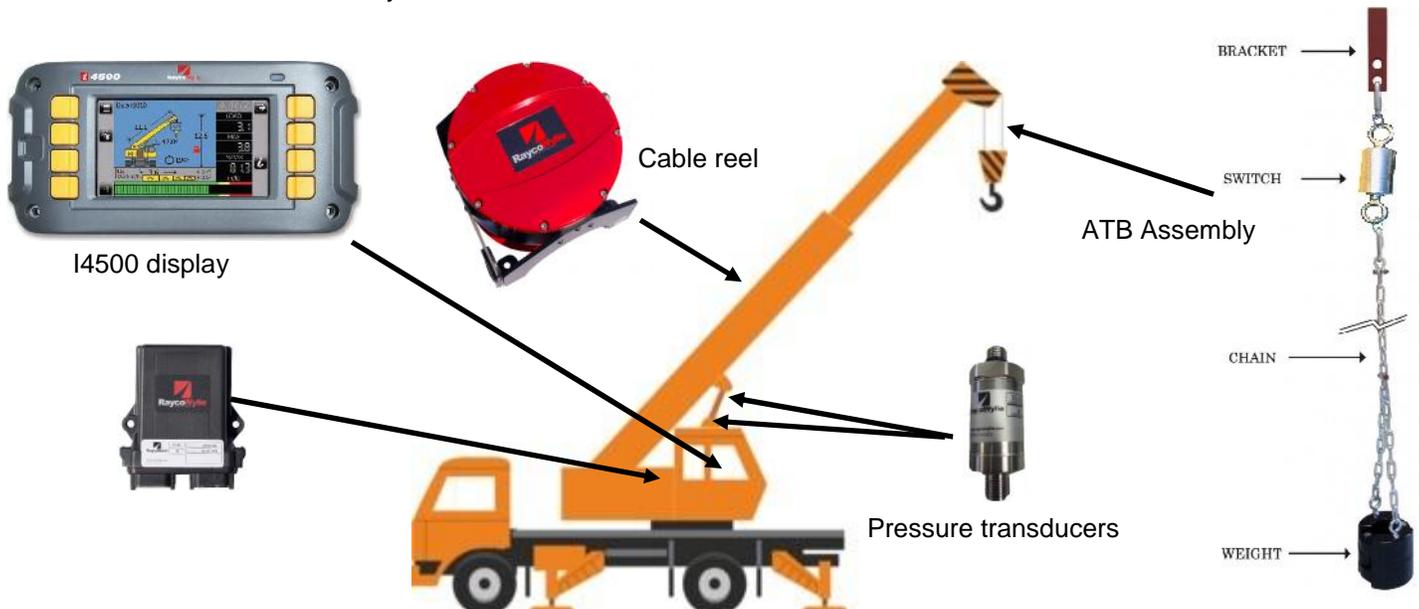
Capacity

Crane image matching actual crane type

% of safe working load bar

Standard display style with traditional RCI information

The i4500 LMI kit on telescopic boom cranes uses pressure transducers on the boom lift cylinder to measure the load on the boom along with a cable reel for measuring the boom angle and length. This is the most accurate way to measure the load and covers both hoist with one set of sensors. The pressure transducers are small and installed on the rod and bore side of the lift cylinder so there are no moving parts like with a dynamometer or load links above the hook block. Pressure transducer systems are the preferred LMI for crane OEM's. Long term they are the most trouble free, low maintenance and accurate LMI systems.



I4500 Series Crane LMI and RCI Indicators



Technical Data

-) Display sizes of either 4.3 inches, 7 inches or 10.4 inches (4.3-inch display dimensions: 3,66"x7,80"x1,65" / 93x198x42 mm)
-) High resolution LCD screen readable in direct sunlight and with dimmable backlit at night, with accurate color images
-) Large integral memory 2GB (upgradable on request) and processor speed (600/800 MHz)
-) Flexibility to add inputs and outputs on the CANbus network
-) Intelligent computing for self-diagnostic detection of system malfunction
-) Uploading of new information via a USB Stick - No special tools or laptop required with all calibration done from the display screen
-) Display rating up to IP67 and suitable for an indoor or outdoor environment and a temperature range of -20° C to 70° C (-4°F to 158°F). Optional extended temperature of -40° C to 85° C (-40°F to 185°F)
-) Supply voltage 11 to 36 vdc
-) Audible and visual alarms
-) Output connection for lock-out circuit for overload and ATB
-) Self-diagnostic mode with fault log
-) CPU and Display in one unit

