

# iVISOR MK4E2

## ➤ Load Moment Indicator



### ➤ General Information

The iVISOR MK4E/2 displays a full range of precise information in the operator's cab. Designed for use on mobile cranes, the iVISOR MK4E/2 is installed and calibrated to the load chart of each crane – including specific load and geometric limits on boom length, angle, and operating radius. This system gives the operator the information necessary to fully utilize the crane's capacity while keeping within the working limits of the crane.

### ➤ Product Features

- Displays actual and allowable load, boom length, boom angle and load radius
- Alerts the operator in an impending two block condition
- Integrated lightbar provides a quick reference of the crane utilization
- Quick and easy setup through the operator's console
- User-friendly console
- Meets SAE and ANSI B-30.5 standards
- Windows PC software for simple configuration and calibration

### ➤ System Specifications

- Power supply: 12 V DC (opt. 24 V DC)  $\pm 20\%$
- Max consumption: < 500 mA
- Analog inputs: 8 standard, input voltage +8 V DC max. or 4...20 mA
- Digital inputs: 5 standard, input voltage 10...30 V DC
- Digital outputs: 4
- Protection class: IP65
- Operating temperature: -25°C to +70°C
- Humidity: 0 to 95% (non-condensing)
- Display: alphanumeric display with background lighting and temperature compensation
- Display and control unit dimensions: 200 x 100 x 60 mm (B x H x D)
- Central electronics dimensions: 332 x 232 x 110 mm (B x H x D)

## System Benefits

### Quick and easy calibration

- Exclusive AccuCal calibration procedure done through the operator's console.

### Measures true load moment

- By measuring true load moment, the iVISOR MK4E/2 senses boom dynamics, load swingout, wind loading, shock load, and effects of boom deflection.

### Self-diagnostics

- Continuously monitors system and sensors. Error codes are displayed to help identify problems and minimize downtime.

### Control lever lockout

- When the LMI system senses an overload or an impending two-block condition, the iVISOR MK4E/2 provides a relay output which can be used to engage an optional lever lockout.

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### We make lifting loads safer!

As an experienced specialist, we have spent many years providing reliable safety solutions for lifting loads, setting innovative standards in the process and ensuring dependable communication between machines and their operators, particularly in harsh environments.

By developing application software, mobile controllers and robust sensors, we ensure that our customers benefit

from maximum safety and equipment uptime.

We are system integrators, supporting our customers through all project phases: from analysis and concept evaluation, through system design and project planning to prototype testing and field launches. Our safety experts support certification processes and are available for seamless life cycle management.