



MARKLOAD SYSTEMS, Inc.
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Introducing the New Markload DX Rated Capacity Indicator



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Markload Systems Inc.
**Quality systems used world-wide
since 1979.**
Proudly made in the U.S.A.

MARKLOAD DX

- Accurate and Reliable
- New simplified user display
- No internal adjustments
- Reduced glare display
- Display is only 2.5 inches deep
- Simple to Install
- Simple to set up
- Fewer cables
- All digital signals to Sensors
- Anti-Two-Block Options
- Extremely Versatile
- Famous Markload Reliability
- Suited for harsh environments



The Markload DX is our new state of the art Safe Load Indicator (SLI) / Load Moment Indicator (LMI) / Rated Capacity Indicator (RCI).

It reflects the latest developments in electronics to create a rugged and reliable system that is simple to setup and use. The system design offers a wide range of configuration options to meet requirements of virtually all cranes used in all types of environments.

There are no internal adjustments. All setup and calibration is entered through efficient easy to use front panel menus. The menus guide you through the process. This system uses Markload smart sensor technology.

The display constantly updates the following information:

- Load on the hook
- Current capacity or percent of current capacity
- Choice of Operating Radius / Boom Angle / Boom Length / Boom tip height
- Current crane configuration
- Alert or Alarm conditions
- System status
- Any special conditions specific to the crane

Options include:

- Dead end Tensiometers
- Running Line Tensiometers
- Load sensing pins
- Boom length sensor (for telescoping boom applications)
- Boom angle sensor
- List angle sensor
- Anti-two-block
- Slew / Swing sensors
- Rope Deployment Monitor
- Wind Speed Monitor
- Shutdown relays
- Horn / Klaxon
- Lift recorder with PC interface
- Hazardous area operation
- Locomotive application options

General Specifications:

- Design reflects stainless steel display enclosure interconnected with rugged anodized connectors with gold plated pins. The connectors are molded to fire retardant polyurethane electrical cables, which provides corrosion resistance, strain relief, as well as waterproofing.
- Powered by 115/230 VAC with an option available for 12/24 VDC input
- Large easy to read multi-function display, backlit for bright or low light conditions
- Easy to install all-in-one Central Unit and Display (6.5"H x 11.8" W x 2.5"D)
- Alarm indicators: Flashing lights, Clear audible sounds, On screen text describing alarm condition
- Industrial Temperature Range:
 - -20° C to 50° C
- Accuracy:
 - System accuracy meets or exceeds $\pm 2\%$ full scale

Markload DX Highlights

New simplified user display

- Four button controls (SET, UP, DOWN, OK/TEST)
- Simple menus for setup and configuration
- The Menus step you through the process
- No internal adjustments are required

High visibility display

- Reduced glare display lens
- High contrast super-twist LCD display
- Suited for extended temperature use
- Backlit for low light operation

Easy to install

- Fewer Cables
- Only one cable to the boom
- Only one box is mounted on the boom (for non-telescoping boom cranes)

Low profile display unit

- Only 2.5 inches (6.35cm) deep
- Simple to install

Highly integrated electronics

- Allows for smaller display enclosure
- High resolution converters are located at the sensors which convert the analog signals to digital signals.
- The digital signals can run over 1000 feet with superior rejection of interference.
- Single unit for display/control/power circuitry
- Fewer connectors and cables for increased reliability
- Complete internal system diagnostics with detailed error messages

Lower cost for spare parts

- Many of the system components now cost less