Continuously Monitor Critical Load Holding Components to Prevent Damage

APPLICATIONS

Wireless Pressure Monitor is a system to monitor the hydraulic pressure in the clamping cylinders of an attachment on a real time basis. Perfect for allowing drivers to see the actual pressure during the clamp cycle to determine if the load holding components are malfunctioning. The system will show the exact clamping pressure when drivers feather the auxiliary valve to clamp with less than full force.

The wireless system can be used on any clamp with a gauge port and is ideal for use as a system diagnostics tool. The display shows the real time pressure in the two Roll Clamp long arm cylinders or the actual checked pressure in the gage port on sliding arm attachments.

OPTIONS

- Additional pressure transducers can be ordered for measuring and monitoring the pressure on multiple attachments using only one kit.

FEATURES

- When used as a diagnostics tool, fleets may not require a system for every truck. One system can be used with many attachments when each is fitted with pressure transducers in each port.
- Operates continuously for up to 40 hours on one battery charge. Kit includes 2 batteries.
- Remote unit goes into sleep mode when the truck key and display is off to extend the battery charge life.
- System will alert driver or mechanic with a flashing display if the monitored pressure drops below a user defined value.
- Pressure can be displayed in either Bar or PSI.
- Able to display pressure one cylinder at a time.

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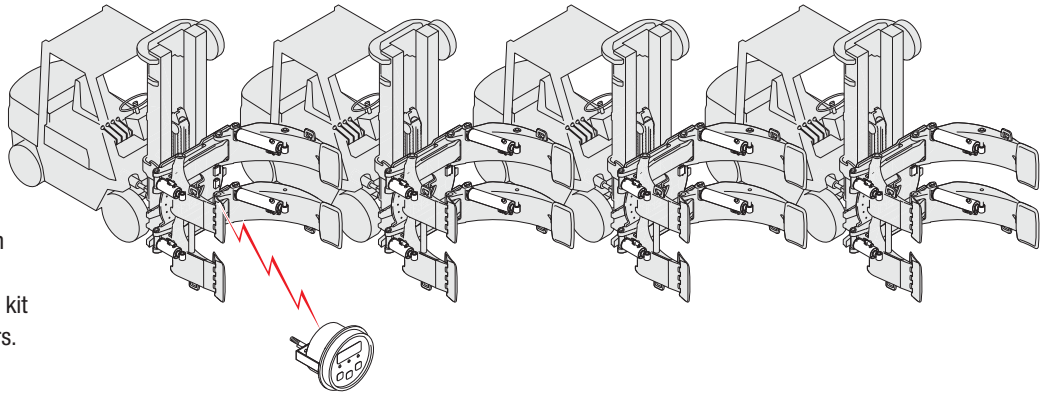
WPM™ - WIRELESS PRESSURE MONITOR



The Wireless Pressure Monitor is perfect for diagnosing issues on multiple truck fleets with one master system. For example, with four clamps use one four port kit along with twelve extra transducers.

What does it do?

- The system wirelessly transmits the hydraulic pressure to the receiver which then can be monitored on the digital display which can be hand held or mounted on the dashboard of the lift truck.
- The system displays the average of two pressure ports (two cylinders) or the full pressure when used with one port.

What can it be used for?

- To improve the safety of a clamping attachment by allowing the driver to continuously monitor the performance of the cylinder and check valves.
- Validate all the hydraulic pressure holding components are functioning properly prior to each shift. (Check for hydraulic pressure drop in excess of recommended 7% over a 2 minute period).
- Perform daily start up check procedure to validate the clamp force is set at established values to prevent damage to the load being handled.
- Diagnose issues with the check valves and cylinders on up to 4 cylinders on an individual basis without breaking into the hydraulic lines or ports.

Kit Configurations

Single Port Kit for Sliding Arm Clamps

- Digital Display with user integrated controls (Truck mounted).
- Transmitter with transducer wire harness (Clamp mounted).
- Transducer – (to be installed in the cylinder gage port).
- Two batteries to power the transmitter & One Battery charger.
- Display Bracket.

Two Port Kit for PRC

- Same as above but with (2) transducers (one for each LA cylinder).

Four Port Kit for PRC

- Same as above but with (4) transducers.

Additional Transducers

- An unlimited amount of additional transducers can be ordered for monitoring clamp pressure on multiple trucks.

DAMAGE REDUCTION OPTIONS

Portable Clamp Force Indicator

Measuring device that shows the clamp force applied to the load. Periodic checking and adjusting of clamp force is highly recommended to ensure damage-free handling. Includes calibrated gauge.

HFC™ - Hydraulic Force Control

HFC is a hydraulically controlled automatic clamp force system that changes the clamp force proportional to the load weight. It works by continually sensing the hydraulic force necessary to lift the load and adjusts clamping pressure as the weight of the load increases or decreases.

DTI™ - Digital Tilt Indicator

Cascade's Digital Tilt Indicator lets you know when your mast is tilted forward, backwards or true vertical. It clearly displays the angle of the mast at all times which eliminates guesswork and ultimately reduces damage and increases speed and efficiency.

Light Bar Kit and Multi-Setting Relief Valve

The light bar shows the pressure setting in use when installed with the Multi-Setting Pressure Relief Valve.

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