QUALITY. CRAFTSMANSHIP. DEPENDABILITY.



Liftmoore's Proportional Wireless Control with Diagnostics via On-Board WiFi

Speed Control of all hydraulically powered functions is delivered through a trigger on the remote:

Electric Crane:

- Control of Extension, Elevation, and Rotation are provided through speed control of the pump motor.
- Slower speed requirements result in:
 - Reduction of heat build-up on the motor
 - Reduction of amperage demand on the battery and electrical power circuit

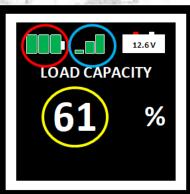
Hydraulic Cranes:

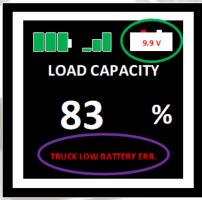
 Control of Extension, Elevation, Rotation and Hoist are provided by controlling hydraulic fluid flow through the manifold's proportional valve.



Expanded diagnostics to improve service at all levels:

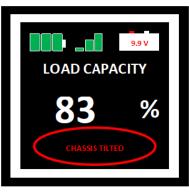
- Operating information displayed on hand held control
 - O Battery life of the rechargeable transmitter lithium battery
 - Signal strength between the transmitter and receiver
 - O Crane's system voltage
 - Capacity as a percentage of the total available
 - Error codes displayed including:
 - ATB
 Overload
 - OverloadSystem Voltage
 - Function signal input / output failure
 - When multiple errors are reported, these will scroll through the display screen one at a time





Optional stability monitoring with purchase of a dual axis inclinometer:

- When the truck becomes un-level beyond 5 degrees, as monitored
 - Transmitter displays "CHASSIS TILTED"
 - **O** All functions that increase an overload situation are disabled:
 - Hoist Up
 - Boom Down
 - Extension Out
 - **O** On our electric cranes the pump motor speed is limited to 50%



Receiver with On-Board WiFi

Built in WiFi Connectivity allows access to diagnostic information and historical error logs, which are viewable from a web browser on smartphones, laptops, or tablets.

Electric Crane Wireless Proportional Receiver





Password protection limits user access to crane calibration, WiFi configuration, and software update functions.

Intro//192.168.1.1/ Uffmoore|Truck Cranes * Edit View Favorites Tools Help Holp Holp Main Screen LETMOORE - 02/04/19 J23454 works with J027030 Calibration Histogram Diagnostics WiFi Control Software Update

The menu options include a Diagnostic page which details inputs from transmitter and crane to the receiver, and outputs from receiver to the crane

Diagnostics Inputs / Outputs					
Diagnostics Home Calibration					
RF Quality				RF LINK	
0% 25%	50%	75%	100%	RF RX ID: 27022	
0% 25%	50%	75%	100%	Truck Battery: 12.55 V	
RF Power				Temperature:	
				77.0 F	
0% 25%	50%	75%	100%		
Transmitter Digital Inputs					
 EXTEND IN EXTEND OUT ROTATE CCW ROTATE CW HOIST UP HOIST DOWN BOOM UP 	I		000000	BOOM DOWN ENG START / F3 ENG STOP / F4 ENG SPEED / F1 AUX SWITCH / F2 HORN E-STOP	
Transmitter Analog Inputs TRIGGER 0.32 V					
Receiver Digital Inputs					
 ATB SWITCH BOOM UP LIN 	IT SWICT	н	0	PRESSURE SWITCH	
Receiver Analog Inputs Pressure Input 130 PSI					
	Chassis	ver CAN l i Tilt X Ang Tilt Y Ang Igle	le	0 Deg -1 Deg 36 Deg	
Proportional (On/Off) Outputs Speed Control 0% Speed Control 0 Amps					
On/Off Outputs					
 HORN OUTPUT ROTATE CW OUT 			0	BOOM UP OUTPUT BOOM DOWN OUT	
ROTATE CCW OUT			0	HOIST UP OUT	
 EXTEND OUT EXTEND IN OI 			•	HOIST DOWN OUT ESTOP OUTPUT	

Also included in the menu options is a Histogram page. The Histogram records active errors and indicates the number of times an error or fault has been occurred for the life of the control system

2.011						
Histogram						
Diagnostics Home Calibration						
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	3					
	•					
Failed	Error Name					
92	LOW TRUCK BAT. ERR.					
21	E-STOP ERR.					
3	TRANSDUCER ERR.					
6	OVERLOAD ERR.					
12	ANTI-TWO BLOCK ERR.					
8	BOOM UP LIMIT ERR.					
0	BOOM ANGLE SENSOR ERR.					
0	TILT SENSOR ERR.					
0	HORN OUT ERR.					
3	ROT CW OUT ERR.					
1	ROT CCW ERR.					
2	EXT OUT OUT ERR.					
4	EXT IN OUT ERR.					
7	BOOM UP OUT ERR.					
2	BOOM DN OUT ERR.					
0	HOIST UP OUT ERR.					
0	HOIST DN OUT ERR.					
0	E-STOP OUT ERR.					
0	SPEED OUT ERR.					
0	SPEED OUT HIGH CURRENT ERR.					
0	TRIGGER INPUT ERR.					
0	TRIGGER INPUT BEFORE SW ERR.					
Reset Errors						
Active Errors						

MANUFACTURING QUALITY PRODUCTS IN THE USA SINCE 1961

Our complete line of cranes ranging from an electric DC-Powered 800 lbs. Capacity (4,500 Ft-lbs.) to a Hydraulic Powered 10,000 lbs. Capacity (72,000 Ft-lbs.) are designed and built to meet our high standards of quality, craftsmanship, and dependability

Liftmoore also provides crane service bodies, that are designed to maximize the capabilities of the crane when matched to an appropriate chassis. With a variety of packages available, we are committed to providing solutions to our customers that meet their needs

For more information, contact a Liftmoore representative today. A member of our team is ready to answer any questions you may have, and learn more about your current and future truck equipment needs. We are here to help!



Form No. 2591-A Updated 4/11/2022 Liftmoore Inc. 7810 Pinemont Dr. Houston, TX 77040 Ph. (800) 994-1595 www.liftmoore.com salesdesk@liftmoore.com