

Load Moment Indicators



FEATURES

- Visual display provides continuous awareness of loading
- Proportional display of loading using 7 colored high intensity LED
- Dash mount
- Quickly and easily calibrated in the field
- Visual and audible warnings of over load
- Straight forward installation
- Fully automatic operation requiring no operator input
- Two dry contact for motion shut down and slow down
- A cost effective solution
- Digital strain gage sensor
- Environmental protection class: IP66
- Automatic self test at power on

OPTIONAL FEATURES

- Redundant sensors support
- Private label units
- Display enclosure according to customer requirements
- Operation definition according to customer definitions

DESCRIPTION

In conjunction with an extensometer or other type of strain gage based sensor, the LMI 521 Load Moment Indicator insures that the operator of telescopic loaders or other types of lifting equipment are continuously informed on the momentary machine load moment. An audible alarm warns that the machine has reached a maximum load moment condition. Two analog outputs are available as a slowdown output, used to trigger a slowdown of all machine functions that would lead to an increase in load moment. A second output is triggered at 100% of maximum load

moment and normally used to initiate a shutdown of all functions that would lead to an increase in load moment. Trigger level, audible and visible alarms may be tailored to customer specifications.

The LMI 521 compact design makes it suitable for those applications where space is limited.

APPLICATIONS

- Lifting machines
- Telescopic loaders

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SPECIFICATIONS				
PARAMETER	MIN.	TYP.	MAX.	UNIT
Digital bus:				
Output type	LIN-Protocol Specification Rev 1.3, 2.0			
Maximum rating bus	-20		+30	V
(T ≤ 500ms)			40	V
Buzzer:				
Full open sound level at 30cm	76			db
Digital output (for shut-down and slow-down function):				
Output type	Relay output, normal contact, normal close			
Contact current (continuous, at 85°C			6	A
Power supply:				
Input voltage	9.5	12	18.5	VDC
Power consumption			6	W
Reverse power protection	-60			V
Protection from short	Power input short protect			
Environmental protection	IP66			

OUTLINE DIMENSIONS in millimeters

