



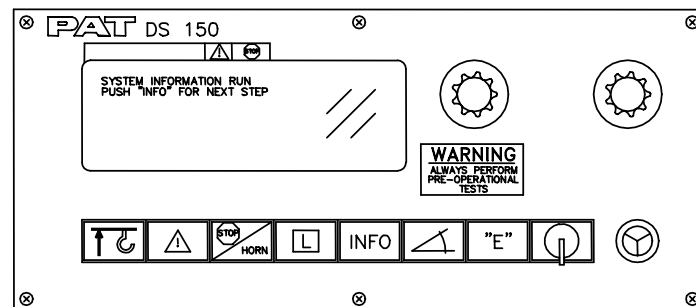
HIRSCHMANN

PAT

LOAD MOMENT INDICATOR

DS150

LMI for Hydraulic Boom Cranes



OPERATOR'S MANUAL

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1 GENERAL INFORMATION

The PAT Load Moment Indicator¹ (LMI) DS 150 has been designed to provide the crane operator with the essential information required to enable the machine to be used within its design parameters.

Using various sensing devices, the Load Moment Indicator monitors various crane functions and provides the operator with a continuous reading of the crane's capacity. The readings continuously change as the crane moves through the motions needed to make the lift.

The LMI provides the operator with information regarding the length and angle of the boom, tip height, working radius, rated load and the total calculated weight being lifted by the crane.

If overload conditions are approached, the DS 150 Load Moment Indicator will warn the operator by sounding an audible alarm, lighting a warning light and cutting-off unwanted crane movements.

¹LOAD MOMENT: generally the product of a force and its moment arm; specifically, the product of the load and the load-radius. Used in determining the lifting capacity of the crane.