



HIRSCHMANN

A Belden Company

Controls

Consoles

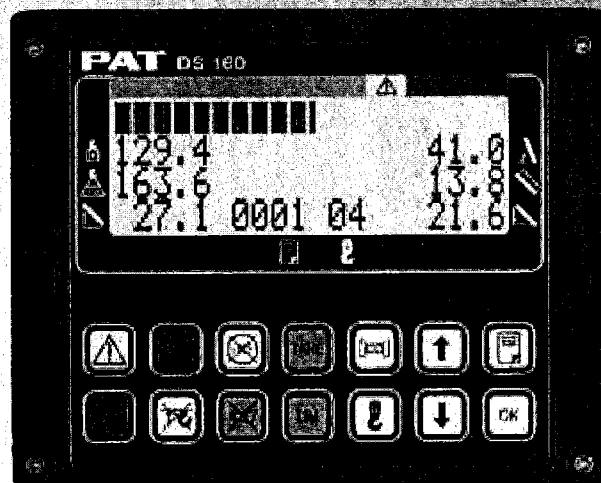
SLIs

Sensors

Service

iVISOR DS160

Upgrade DS 50 Systems on Manitex Cranes



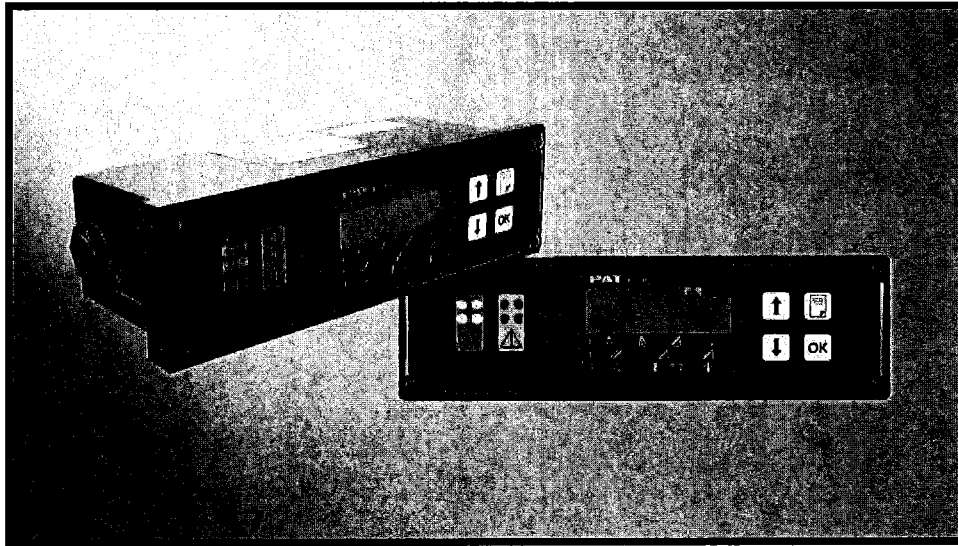
The iVISOR DS160 is an economical upgrade solution for Manitex cranes with existing DS 50 load moment indicators. The iVISOR DS160 provides crane owners with a combination of the latest technology while incorporating many of the existing proven sensors and components. All setup is done through the user-friendly operator's console, with no costly and time consuming re-calibration.

- ▶ No re-calibration
- ▶ Displays actual and allowable load, boom length, boom angle, and load radius
- ▶ Uses existing boom components
- ▶ Integrated bargraph provides a quick reference of the cranes utilization
- ▶ User-friendly console and setup
- ▶ Meets SAE and ANSI B-30.5 standards

iVISOR DS85

Load Moment Indicator for Mobile Cranes

	Controls
	Consoles
	SLIs
	Sensors
	Service



The iVISOR DS 85 load moment indicator was designed for use on small telescopic cranes. The operator console and central processing unit are combined in one compact unit the size of a car radio. All operating data is displayed on the two line DOT Matrix display. The DS 85 also incorporates an integrated bargraph which displays the cranes utilization.

- Display of actual load, load radius, and capacity
- Compact console contains all electronics and software
- CANbus interface for all sensors
- Ideal for use on small cranes and boom trucks
- Meets industry standards

The system utilizes CANbus technology in the central unit and all sensors. This technology provides additional diagnostics possibilities which leads to reduced commissioning and service times.



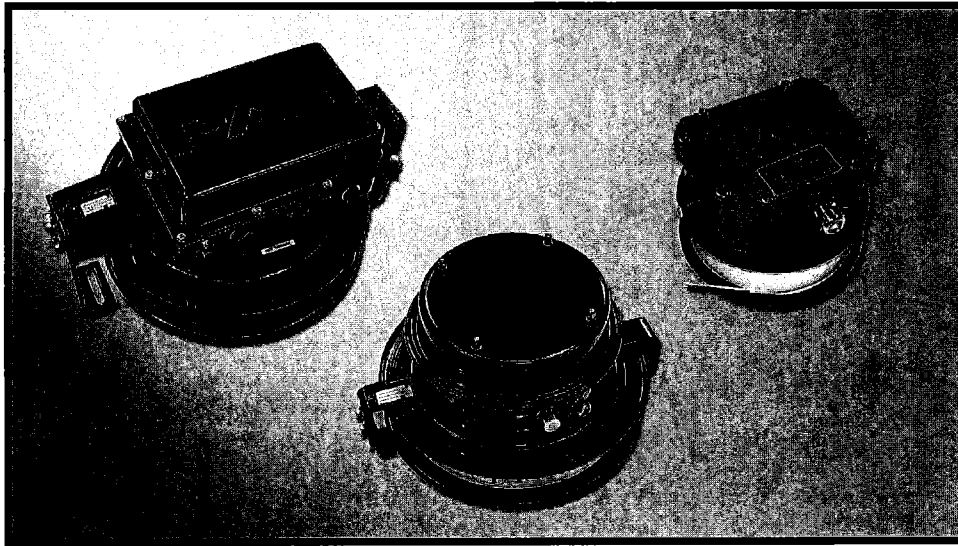
HIRSCHMANN

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gSENS LWG / gSENS LG

Angle / Length Sensor and Length Sensor

	Controls
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Length/angle sensors from the series gSENS LWG can be used on all types of equipment where the length and angle of the telescopic boom needs to be measured.

The LWG consists of a housing, spring-loaded cable drum with measuring cable and mounting equipment for installation on the boom. Included in the housing is a length sensor, angle sensor, slip ring, and circuit board. The number of turns and the diameter of the cable drum define the length of the uncoiled cable, which determines the length of the boom. In addition to the length measurement, the cable can also be used for signal transmission to the tip of the boom. The angle measurement is determined by the capacitive angle sensor, gSENS LWG.

Length sensors from the gSENS LG product line are also available. These sensors are used exclusively for length measurement.

gSENS LWG angle/length sensors and gSENS LG length sensors differentiate themselves by offering:

- Telescopic lengths greater than 50 meters
- Output signals, 4-20 mA and CANopen
- Compact construction
- Simple installation
- Exact measurement of the boom
- Signal transmission of additional sensors via the length sensor cable
- Up to 15 slip ring contacts for signal transmission
- Angle data capture via capacitive gSENS WGC
- Redundant options available on request