



# HIRSCHMANN

A Belden Company

Controls

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## iVISOR MARK 4K

Safe Load Indication for cranes



The Safe Load Indication System iVISOR MK4K is particularly suitable for large lattice boom and telescopic cranes of various operational types and is intended both for retrofit and as original equipment (OEM).

iVISOR MK4K determines the actual load moment of the crane and compares it with the values in the load tables for the type of operation in question. If the actual load moment approaches the recorded limit value, iVISOR MK4K at first gives a warning and switches off securely when the load limit is reached. In this way there is certainty that the crane always operated in the within secure parameters. Over and above this, iVISOR MK4K offers a multitude of programmable security functions. In addition to the essential parameters in the LMI function, the chosen type of operation is also shown constantly in clear print on the graphic display.

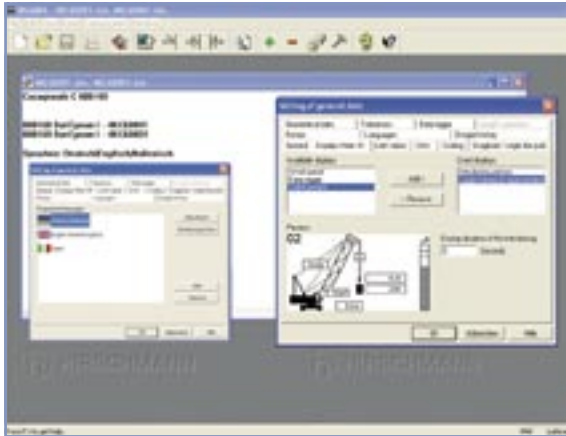
- ▶ LMI system for large lattice boom and telescopic cranes (more than 1000 types of operation)
- ▶ Graphic screen with several display types
- ▶ Configured data recorder with desired data being recorded in Excel format (optional)
- ▶ Windows PC software for simple configuration and calibration
- ▶ Up to 17 languages to choose from

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## TECHNICAL DATA




### iVISOR MK4K is supported by 2 Windows configuration programs

A crane data programming function is created by **WinMK4** simply and transparently on the PC. The load charge table is required for this, as well as a few geometric data of the crane. The usual laborious input work has been drastically simplified by the fact that the types of operation can be duplicated and only the differences have to be entered. Furthermore, the load curves are displayed graphically so that faulty data entered become instantly visible. Before the data are finally saved on the PC's hard drive there is a further test to establish whether the data entered are mutually compatible. If detailed boom load data are available, a large number of calibration data can be calculated in advance and the calibration of the crane during operational conditions in the field can be confined to fine tuning.

If no detailed boom load data for the crane are available, then the iVISOR MK4K itself can measure all the necessary values for exact load capture in the field and store these data. This is clearly visible and supported in **WinDSD**. The laptop PC is then connected by cable to iVISOR MK4K during calibration.

The load moment limitation capabilities of the iVISOR MK4 series have been in operational use worldwide in great numbers for many years. At this time there are 17 languages available for iVISOR MK4K

Description	iVISOR MK4K
	
<b>Power supply</b>	12 V DC (24 V DC) ±20%
<b>Temperature range</b>	-25°C ... +70°C
<b>Humidity</b>	0 bis 95% (non-condensing)
<b>Analogue inputs</b>	8 Standard, Input voltage+ 8 V DC max. or 4 to 20 mA
<b>Digital inputs</b>	8 Standard, Input voltage 10 up to 30 V DC
<b>Digital outputs</b>	8 Relay outputs Standard, as required max. 16
<b>Display</b>	Graphic display with background lighting and temperature compensation
<b>Dimensions (B x H x D)</b>	
Display and control unit	180 x 140 x 71 mm
Central electronics	332 x 232 x 110 mm