HIRSCHMANN
A Belden Company

Controls | Consoles | SLIs | Sensors | Service

iVISOR *maestro*

brings crane safety up to date

A crane is an important piece of investment and has a long life. To maintain its viability and operational efficiency the mechanics of the crane need regular servicing and, if necessary, new parts have to be fitted.

But what about the crane safety system?

The Load Moment Indicator (LMI) ensures that the crane is never overloaded, thus preventing accidents. If doubt exists then the old system has to be replaced with a new one so that the safety of the crane can be guaranteed at all times.

iVISOR *maestro* offers a quick and cost-effective solution should this need arise. Developed by Hirschmann, this new system uses latest technology and provides the highest levels of reliability and can process the data from a wide range of older PAT installations.

So **the SLI doesn't** have to be re-programmed and re-calibrated, giving huge savings in time and money.

- **Existing information and tested functions are simply taken over into the new system and standards applying at the time are simply retained.**
- **There is no loss of data and no need for time-consuming and expensive re-programming and re-adjustment of the crane.**
- **The sensors can be re-set directly through the console, dispensing with the need to use any special equipment.**
- **The wiring and the length/angle sensor from the old equipment, as well as the A2B (anti-two block) switching can usually simply be re-used.**

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J2 electronics

NEW FROM OLD – iVISOR *maestro:*

brings crane safety up to date

Retrofitting with iVISOR *maestro* can be achieved quickly in just four steps:

1

A new central unit, console and new pressure transducers instead of the old equipment, depending on the type of crane.

2

Install memory chips from the old system in the ***maestro*** central unit.

3

Adjust the sensors quickly and simply using the keyboard from the ***maestro*** console.

4

To finish off, do a test run. The crane is now ready to use.

Update? YES.
Re-program - NO!

iVISOR *maestro* offers a wide range of advantages:

- Existing information and tested functions are simply taken over into the new system and standards applying at the time are simply retained.
- There is no loss of data and no need for time-consuming and expensive re-programming and re-adjustment of the crane.
- The sensors can be re-set directly through the console, dispensing with the need to use any special equipment.
- The wiring and the length/angle sensor from the old equipment, as well as the A2B (anti-two block) switching can usually simply be re-used.

You can be re-assured that it is more cost-effective and quicker to bring an older PAT LMI up to date using **iVISOR *maestro*** than resorting to any other alternative.

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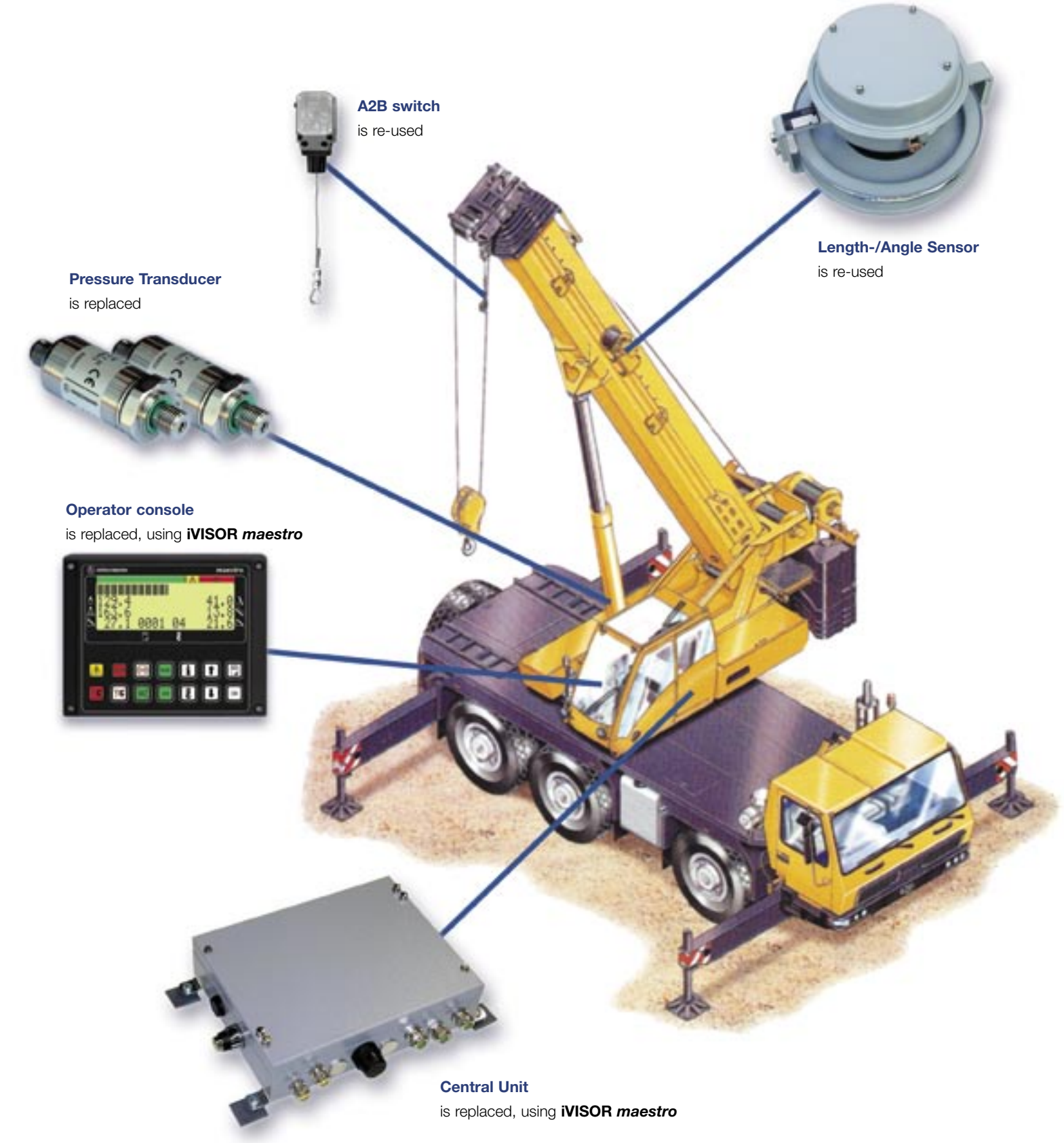

A2B switch
is re-used

Length-/Angle Sensor
is re-used

Pressure Transducer
is replaced

Operator console
is replaced, using **iVISOR *maestro***

Central Unit
is replaced, using **iVISOR *maestro***

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TECHNICAL DATA

Description	Console iVISOR *maestro*	Central unit iVISOR *maestro*	Pressure Transducer pSENS DAVS*
			
Supply voltage	10 - 30 V DC	10 - 30 V DC	10 - 30 V DC
Current consumption	–	approx. 1 A (with console)	–
Housing	on-dash	sheet metal	–
Signal output	–	–	4 - 20 mA
Measuring ranges	–	–	250 / 300 / 400 / 500 / 600 bar
Hydraulic connection	–	–	G1/4“ A, DIN 3852, with nozzle 0,5 mm
Protection class	IP 65	IP 65	IP 65
Dimensions	180 x 140 x 70 mm (W x H x D)	270 x 210 x 62 mm (W x H x D)	81,2 x 29 mm (L x Ø)
Display	LCD, illuminated	–	–
Indication of	• utilization (bargraph) • maximum load • actual load • geometrical data • operation mode • number of reevings	–	–
Keyboard (illuminated)	11 buttons / 3 indicators	–	–
Working temperature range	-25 °C to +70 °C	-25 °C to +70 °C	-25 °C to +70 °C
Accessories	spherical retainer	cables to console and pressure transducers	adaptor fittings and adaptor cables

* 1 or 2 required with hydraulic cranes

iVISOR *maestro* can replace the following PAT LMI systems:

DS 50 DS 100 DS 150 (DS 350)**

***only basic systems without special functions*

To verify the individual application please check with Hirschmann or one of our approved retrofit dealers.

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