



Z 550 051

15 Safety equipment

(Z 550 033)



- You can determine the software status of the IC-1 in the system screen (**201.1**) in the Quick menu (E12). (**E12**) (see chapter 15.1.7.1 on page 31).

15.1 Electronic crane information system (A40)

The electronic crane information system **IC-1 (Intelligent Control System) (A40)** combines several devices which supply the crane operator with important information for operating the crane within the parameters set by the manufacturer:

- Device for overload safety (load limit device LLD).
- Telescoping information system (see section 18).
- Display of several crane configurations such as e.g. support pressure, tilt, crane configuration, load capacities, etc.
- Warning (optical and acoustic) when unpermitted conditions arise.
- Warning (optical and acoustic) when unpermitted conditions arise. The crane information system used (incl. load limit device) is an operating help. It supplies the crane operator with important information concerning crane data such as e.g. length and angle of the boom, sheave head height, nominal load capacity, the total load hanging from the boom, etc. and warns when an overload state is being approached or when the hook block is nearing the boom head.



This safety device is no substitute for judgement and experience of the crane operator or application of recognised safe working procedures for crane operation. The crane operator is not relieved of his responsibility for safe crane operation.

Load capacity chart view

(Z)



By pressing "table" in the operating mode screen, the loads of the set configuration state are indicated.

- 1 Longitudinal code LC
- 2 Main boom end length
- 3 Reeving set in the parameter screen
- 4 Scrollbar
- 5 Load capacity
- 6 Table identification
- 7 Scrollbar
- 11 Unpinned loads
- 12 Horizontal loads
- 13 Minimum reeving
- 14 Radius

Searching possible rigging modes

(Z)



The load and radius can be determined by pressing "Search" in the operating mode screen, and the system automatically searches possible configuration states.

The data is entered using the buttons "Load" and "Radius". An entry window appears for entering the appropriate value.



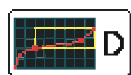
The search is started using the Magnifying Glass button.

All found configuration states are entered in the bottom selection element after the search.

Copying a data record

(Z 550 046, Z 60 029)

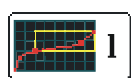
If for example the factory setting is to be assigned to setting 1, the procedure is as follows:



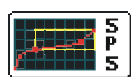
The factory settings are loaded using the menu window (identified by a "D")



and stored via the menu window with the "diskette symbol".



Afterwards load setting 1 from the menu window.



Then load the current SPS setting via the menu window into the data set setting 1.



At 4 in figure Z 550 046 the icon for the data record "setting 1" can be seen.



Finally press "Save" at the menu window to finish.

15.1.7.9Crane Information (Main menu: 203.2)

(Z 54 368)



Display of crane type and construction number.

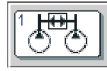
15.1.7.10Emergency operation (Main menu: 203.3)



see Sect. 36

15.1.7.20 Operation mode of the hydraulic pumps (quick menu: E 53)

(Z 550 045)



Activates the pumps together or separates them.

You can select the hydraulic supply for individual movements depending on which movements are to be performed simultaneously. There are four operating modes that can be used.

You can select the operating mode by pressing "E53" until you find the mode you want. On "E53" and "E54" you can see the movements and the pumps that have been assigned to them. In the upper left-hand corner of the "E53" button, you can see the number of the current operating mode.

Operating modes 2 and 4 are best used for delicate, simultaneous movement of the luffing gear and hoist.

Operating mode 3 can only be selected if hoist 2 is among the assigned control lever functions.

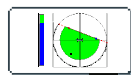
15.1.7.21 Assignment of movements hydraulic pumps (quick menu: E 54)

(Z 54 362)



Displays the movements assigned to the hydraulic pumps together with 15.1.7.20.

15.1.7.22 "Active working area limitations" (Quick menu: E 61)



Here the active working area limitations are displayed.

(Z 200 102).

The active limits are displayed in the top status bar (**E1**). The valid operating range is always displayed in green.

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