

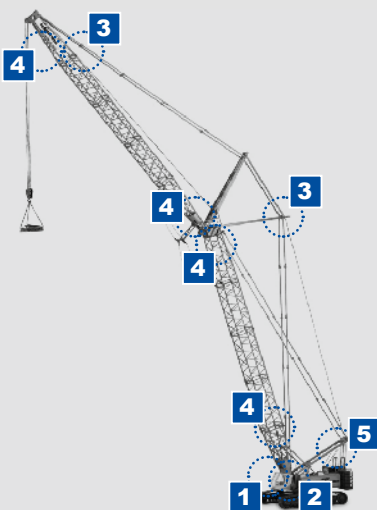
# Lattice boom crane

## ➤ Luffing jib, force measurement in the anchoring

### ➤ Requirements

- Load moment indication
- Single movement cut-offs via digital outputs
- Processing of analog and digital inputs
- Force measurement via load cells in the anchoring
- Angle measurement
- Customer-specific graphical operation mode selection
- EN 13000 event recorder
- Main boom
- Luffing jib
- Self installation with boom (A-bock)
- Upgrade program for luffing jib
- Main boom and luffing jib also available with quick-action stroke roller

### ➤ Product solution



| Hardware               |   |
|------------------------|---|
| Controllers            | 1 iFLEX 5   |
| Consoles               | 2 iSCOUT expert   |
| Sensors                | 3 2 x fSENS KMD in the anchoring of the main boom                 |
|                        | 3 2 x fSENS KMD in the anchoring of the luffing jib               |
|                        | 3 fSENS KMD in the anchoring of the jib                           |
|                        | 4 gSENS WGC one each to MB-bottom and MB-top                      |
|                        | 4 One each of gSENS WGC to luffing jib bottom and luffing jib top |
| 5 pSENS DAVS           |   |
| Software               |   |
| Load moment indication | LMI application   |
|                        | Graphical console application                                     |
|                        | EN 13000 Eventrecorder  |
|                        | User limits   |



## Features

- Menu-driven set-up state pre-selection or direct code entry
- LMI operational display with real crane configuration
- Output of status information and flexible, user-friendly service screens in 9 selectable languages
- User limits with deactivation of dangerous movements for radius, height, angle, slew angle
- Full integration of set-up and bridging devices according to EN 13000:2010
- Support of the FEM light according to EN 13000:2010
- Additional surveillance of load via direct load measurement on the jib in main boom operation mode
- Interpolation of safe working load via main boom angle in luffing jib operation mode
- Surveillance of the difference angle when setting up the luffing jib

## Overview

|  |   | Sennebogen 7700 | Sennebogen 620 ... | Linkbelt |
|--|---|-----------------|--------------------|----------|
| Regulations  | EU  | ■               | ■                  | ■        |
|  | USA   | ■               | ■                  | ■        |
|  | Russia  | ■               | ■                  | ■        |
| Requirements<br>Load Moment Indication             | Load moment indication  | ■               | ■                  | ■        |
|  | Single Movement Release / cut-off                                 | ■               | ■                  | ■        |
|  | General cut-off   | ■               | ■                  | ■        |
|  | Digital Inputs  | ■               | ■                  | ■        |
|  | Digital Outputs   | ■               | ■                  | ■        |
|  | Angle sensing at boom bottom                                      | ■               | ■                  | ■        |
|  | Angle sensing at boom top   | ■               | ■                  | ■        |
|  | Load sensing in boom pendant                                      | ■               | ■                  | [■]      |
|  | Load sensing in derricking system                                 | ■               | ■                  | [■]      |
|  | Load sensing in hoist rope (direct)                               | ■               | ■                  | ■        |
| Load sensing in luffing cylinder                   | ■   | ■               | ■                  |          |
| Requirements<br>Console                            | Customized fully graphical OM selection (guided menu)             | ■               | ■                  | ■        |
|  | Customized OM Configuration list / Numerical OM selection         | ■               | ■                  | ■        |
|  | Graphical OM Info screen  | ■               | ■                  | ■        |
|  | Numerical OM selection (OM Code)                                  | ■               | ■                  | ■        |
|  | Real crane pictures   | ■               | ■                  | ■        |
|  | Schematic crane pictures  | ■               | ■                  | ■        |
| Standard<br>functions                              | Virtual walls   | ■               | ■                  | ■        |
|  | User limits (radius, angle, height, slew angle)                   | ■               | ■                  | ■        |
|  | Telescopic control  | ■               | ■                  | ■        |
|  | Sensor adjustment via console (protected)                         | ■               | ■                  | ■        |
|  | Status information by symbols                                     | ■               | ■                  | ■        |
|  | Status information with additional text                           | ■               | ■                  | ■        |
|  | Extended error messages (multi levels)                            | ■               | ■                  | ■        |
|  | Servicescreens (multi level with text)                            | ■               | ■                  | ■        |
|  | Servicescreens (tables or graphics)                               | ■               | ■                  | ■        |
| Special<br>features                                | Monitoring load on runner in main boom OM                         | ■               | ■                  | ■        |
|  | Interpolation of rated loads by main boom angle in luffing jib OM | ■               | ■                  | ■        |
|  | Superlift   | ■               | ■                  | ■        |
|  | Monitoring of inclination for ship mounting                       | ■               | ■                  | ■        |
|  | Visualization of inclination by bubble level                      | ■               | ■                  | ■        |
|  | Free fall function for hoist                                      | ■               | ■                  | ■        |
|  | Load on main boom with jib mounted                                | ■               | ■                  | ■        |
|  | Communication to crane controller                                 | ■               | ■                  | ■        |
|  | Visualization of status information from crane controller         | ■               | ■                  | ■        |
|  | Visualization of motor data (J1939)                               | ■               | ■                  | ■        |
|  | Outrigger monitoring, display, automatic load chart selection     | ■               | ■                  | ■        |
|  | Camera input  | ■               | ■                  | ■        |
|  | Reduction of crane movement speed                                 | ■               | ■                  | ■        |
|  | Context-sensitive on screen information                           | ■               | ■                  | ■        |
| Load spectrum counter, lift counter                | ■   | ■               | ■                  |          |
| Operating hours counter                            | ■   | ■               | ■                  |          |
| On screen configuration for available hoist and OM | ■   | ■               | ■                  |          |

### WIKA Mobile Control GmbH & Co. KG

Hertzstr. 32-34  
76275 Ettlingen, Germany  
Telephone: +49 (7243) 709-0  
sales.wmc@wika.com  
www.wika-mc.com