

ID4

SAFETY MANAGEMENT SYSTEM FOR LIFTING MACHINERY

- One indicator for 5 functions.
- The ID4 is configurable and compatible for all the cranes.



ADJUSTABLE



COMPACT AND DESIGN

Anticollision and Zoning

- Interference management and 3D zoning
- Polyform prohibited zones
- Unlimited number of cranes

Anemometer

- Unbreakable digital sensor not requiring calibration

A REAL CONTROL PANEL

Provides a display of operating values

- Crane positions
 - // Slewing in degrees
 - // Trolley in metres/feet
 - // Rail in metres/feet
 - // Lift jib angle in degrees
 - // Height of hook block in metres/feet
- Load controller
 - // Load in tonnes
 - // Moment %
 - // Colour bar graph showing moment
 - // Max load for trolley position
 - // Trolley max for current load
 - // 2-fall or 4-fall reeving
 - // Slowing/stoppage of front trolley
 - // Hook raising stoppage

Load control

- Can be adapted to all cranes

Data logger

- Very long recording period on SD card

Manages the risk of collision in real time

- Indicates and controls authorised movements
 - // Orientation / distribution / rail / jib tilt / lifting
 - // Risk evaluation bar graph
 - // Slewing control (slowing and/or stoppage)
 - // Trolley options indicator
 - // State of the override (by pass)

Provides information

- // Date / Time
- // Wind speed in Km/h / Mp/h
- // Ambient temperature in °C or °F
- // State of free flying

Commissioning

- // Touch screen
- // Graphic on-line help
- // Simple and intuitive programming
- // Secure access by rotating code

ID4

Central Unit Box Reference: 2407

- // Stainless steel fibre loaded resin unit, with electromagnetic and electrostatic (ESD) shielding properties (EMI -40db)
- // Powerful computer
- // Saia NT operating system (not Microsoft compatible)
- // Ports: TCP/IP ethernet / RS 485 / S-Net / SD
- // Machine stoppage interface
- // Injected-armoured unit (stainless steel loaded)
- // Sealed, pin insert type plugs
- // Power supply: 230V / 400V
- // Dimensions: 360 x 90 x 300 mm
- // Weight: 4.5 kg

Angular position sensor Reference: 21091

- // Stainless steel fibre loaded resin unit, with electromagnetic properties (EMI -40db) and electrostatic (ESD) shielding properties
- // Digital encoder especially developed by AGS for cranes
- // Adjustable according to crane type by direct display on the encoder's «encoding wheels»
- // Dimensions: 270 x 110 mm
- // Weight: 1.7 Kg

Trolley position sensor Reference: 2191

- // ABS unit
- // Potentiometer encoder: 10 k Ω output 0V/10V
- // Dimensions: 220 x 110 mm
- // Weight: 2.9 Kg

Screen Reference: 21065

- // Thermoformed ABS unit
- // Touch screen
- // Webpanel colour HMI TFT, full VGA
- // Ethernet port
- // Dimension: 170x200x75mm
- // Weight: 1.7kg

Flash lamp Reference: 21081

- // High luminosity, electronic
- // Xenon flash tube
- // White colour

Network

- // Radio or wired communication
- // Network architecture allowing an unlimited number of cranes
- // Modem radio communication/several bandwidths available

Other possible configuration elements:

- // Rail sensor Reference: 2202
- // Tilt sensor Reference: 2403
- // Load sensor
- // Wind sensor Reference: 4500
- // Data recorder Reference: 3163

Standard configuration Référence : 21998

// 1 central unit/1 trolley sensor/1 orientation sensor/1 screen/1 flash lamp/cables + fixing system specific to the crane