

# SWAY MEASUREMENT on Yard crane

## CUSTOMER BENEFITS AND GAIN DECISIVE ADVANTAGES

### Ø INCREASED PRODUCTIVITY

- § Shorter cycle times
- § Faster operations

### Ø SAFETY

- § Increased safety for people, materials and equipments

### Ø RELIABILITY

- § Specific design and ruggedness for severe environments
- § Easy installation

### Ø AVAILABILITY

- § Lower maintenance cost and time as a result of less wear and tear on crane's structure
- § Reduced time loss waiting for load movement

### Ø EFFICIENCY / ACCURACY

- § Accurate handling
- § Efficient stacking
- § Ambient light immunity

### Ø HIGHER QUALITY

- § Guaranteed Quality Assurance

Products of SIRRAH range enable measurement of sway of the container on yard cranes in container terminal ; it can be used on overhead travelling cranes too.

Sway movement measurement is made by a SIRRAH sensor which evaluates beacon angles located on the spreader. SIRRAH sensor ref. SI08 positioned downwards, is vertically situated in the trolley and the beacon is located upwards on the spreader.

An associated computer or PLC (not provided by Arck Sensor) can regulate the swaying movement.

## REQUIRED MATERIAL

1 SIRRAH SENSOR Ref. SI08 (LS08 Sensor included in BO35 protective housing including power and serial cables) + 1 infrared beacon Ref. BMU-02 (cone of +/-25°).



SIRRAH SENSOR



PROTECTIVE HOUSING



INFRARED BEACON

Nota : Non-contractual document, specifications may be subject to modification without prior warning / April 2010 / DCFA 013 11

