

SKEW MEASUREMENT with 2 SENSORS 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 and skew movements of the container on yard cranes in container terminals : RTG, RMG, OHBC.

Measurement is of higher accuracy when using 2 sensors.

Two SIRRAH sensors ref. SI08 enable the evaluation of view angles of each two beacons located on the crane's spreader.

The beacons are synchronized between each other through a special link cable.

SIRRAH, positioned downwards, are vertically situated in the trolley and the beacons are located upwards on the spreader.

The two beacons have to be separated by a certain distance to assure a high precision.

A 4 or 5-meter distance is the best configuration, that means that each beacon is to be installed at each end of the spreader. Each Sirrah sensor is situated exactly on the top of each beacon.

This 2-sensor solution allows a longer distance between the beacons and therefore a higher accuracy.

REQUIRED MATERIAL

2 SIRRAH SENSORS Ref. SI08 (LS08 Sensor included in BO35 protective housing including power and serial cables) + 2 infrared beacons Ref. BMU-04 + 1 link cable Ref. DRC3.



SIRRAH SENSORS
INCLUDED IN
PROTECTIVE HOUSING



INFRARED BEACONS



Nota : Non-contractual document - specifications may be subject to modification without prior warning / April 2010 / DCFA 065 11