



CERTIFICATE NUMBER

08-HS389772D-PDA

DATE

21 October 2008

ABS TECHNICAL OFFICE

Houston SED - Ship Systems

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
RKI INSTRUMENTS, INC.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Gas Monitor

MODEL: BEACON 800

ABS RULE: 2008 Steel Vessels Rules 1-1-4/7.7, 4-8-3/1.11, 4-8-3/Table 2,

OTHER STANDARD: CSA Report No. 166718-0001069688 (LR 108338) dated 12 November 1999;

AMERICAN BUREAU OF SHIPPING

Hans P. Haendler

Engineering Type Approval Co-ordinator



Confirmation of Product Type Approval 20/FEB/2009

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 28/JAN/2014. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 20/OCT/2013 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

RKI INSTRUMENTS, INC. Model Name(s): BEACON 800

Presented to:

RKI INSTRUMENTS, INC.
33248 CENTRAL AVE.
UNION CITY
CA 94587
United States

Intended Service:	Marine & Offshore Application
Description:	8 Channel Wall Mount Controller.
Ratings:	Power: 115/ 230 VAC or 24 VDC; Operating Temperature: Beacon 800 is suitable for use in a 104°F (40°C) environment, w/ optional High Current Relay board installed the Beacon 800 is suitable for a 95°F (35°C) environment when AC powered or 104°F (40°C) environment when DC powered as per CSA Report ; Enclosure: NEMA 4X. See attached "pdf" specification data sheet
Service Restrictions:	Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. To be used in non-hazardous areas only.
Comments:	Sensors wired remote from the controller and installed in a hazardous area are to be explosion proof and detailed installation drawings are to be submitted for review.
Notes / Documentation:	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.
Term of Validity:	This Design Assessment Certificate number 08-HS389772D-PDA, dated

21/Oct/2008 will expire on 20/Oct/2013 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2009, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

ABS Rules:

2008 Steel Vessels Rules 1-1-4/7.7, 4-8-3/1.11, 4-8-3/Table 2,

National Standards:

CSA Report No. 166718-0001069688 (LR 108338) dated 12 November 1999

International Standards:**Government Authority:****EUMED:****Others:**

ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.