



CERTIFICATE NUMBER

05-HG501444/1-PDA

DATE

05 March 2007

ABS TECHNICAL OFFICE

Hamburg Engineering Services

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
Elektronik-Systeme Lauer GmbH & Co. KG

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).

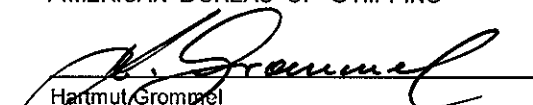
PRODUCT: Panel PC and TFT Monitor Units

MODEL: EPC PM and MT

ABS RULE: 2007 Steel Vessel Rules 1-1-4/7.7, 4-9-6/3/7, 4-9-7/7/13

OTHER STANDARD: N.A.;

AMERICAN BUREAU OF SHIPPING


Hartmut Grommel
Engineering Type Approval Co-ordinator

Product: Panel PC and TFT Monitor Units

Model: EPC PM and MT

Intended Service:

PC, monitoring and display units for marine, offshore and industrial applications.

Description:

1. Panel PC Units: EPC PM box nautic, EPC PM 1700tc nautic, EPC PM 1900tc nautic.
2. TFT Monitors (17"/ 19"): MT 217 nautic24, MT 217 nautic230, MT219 nautic24, MT219 nautic230.

Ratings:

Power supply: 24V DC, 230V AC.

Service Restrictions:

Unit Certification is required for this product.

Comments:

Each particular application is to be specifically approved in conjunction with the relevant system in which the units are used.

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 05-HG501444/1-PDA, dated 05/Mar/2007 will expire on 04/Mar/2012 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 2008, 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.

STANDARDS

ABS Rules:

2007 Steel Vessel Rules 1-1-4/7.7, 4-9-6/3/7, 4-9-7/7/13

International:

N.A.