

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Boeing Automationstechnologie GmbH & Co. KG
Address	Am Steenoever 4, Ganderkesee, 27777
Type	Integrated Alarm, Monitoring and Control System
Description	IAMC serves as a control and display platform for processing and visualizing Refer to the Appendix for further details.
Trade Name	AHD-IAMCS
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3, ENV4 (components marked with ⁽¹⁾) and ENV5 (components marked with ⁽²⁾ , front only) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – July 2015.
Specified Standard	Manufacturer's specification
Ratings	Power supply: 24 VDC components marked with ⁽⁴⁾ = 24 VDC; 115 VAC and 230 VAC
Additional Tests	Low temperature test (-25°C/16h) components marked with ⁽³⁾

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Other Conditions

The complete installation is subject to a separate plan appraisal according to applicable Rules and Regulations when installed on LR classed vessels. Equipment has to comply with IACS E10 Rev.8 when intended to be installed on ships contracted for construction on or after 1 January 2022.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 16/20052 (E1)

The Design Appraisal Document HTS/ETS 41350-21/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

TYPE	AHD-IAMCS	Device description
	Designation	Device description
	AHD 1110 F ⁽³⁾	10" Display with foil front
	AHD 1110 G ⁽³⁾	10" Display with glass front
	AHD 1115 F	15" Display with foil front
	AHD 1115 G	15" Display with glass front
	AHD 1119 F	19" Display with foil front
	AHD 1119 G	19" Display with glass front
	AHD 1200 ⁽³⁾	Embedded PC
	AHD 1215 F	15" Panel PCs with foil front
	AHD 1215 G	15" Panel PCs with glass front
	AHD 1219 F	19" Panel PCs with foil front
	AHD 1219 G	19" Panel PCs with glass front
	AHD 1224 G	24" Panel PCs with glass front
	AHD-DPU9 ⁽³⁾	Data processing station
	AHD 1310 F ⁽³⁾	10" Panel PC with foil front
	AHD 1310 G ⁽³⁾	10" Panel PC with glass front
	AHD 406-2 ⁽³⁾	Cabin duty alarm
	AHD 570	5.7" LCD colour display
	AHD 652 ⁽²⁾	6.5" Operating panel
	AHD 880 E ⁽²⁾	8.8" Operating panel with engine monitoring
	AHD 880 G ⁽²⁾	8.8" Operating panel with glass front
	AHD 880 TC ⁽²⁾	8.8" Operating panel with foil front
	AHD 882 ⁽¹⁾	Central unit
	AHD-DPS 02 A07 ^{(3), (4)}	Extension module for navigation and signal light control and monitoring
	AHD-DPS 02 BS ⁽³⁾	Operation and indicator module for console
	AHD-DPS 02 E07 ⁽⁴⁾	Emergency switch units with 7 switches
	AHD-DPS 02 E14 ⁽⁴⁾	Emergency switch units with 14 switches
	AHD-DPS 02 G14 ^{(3), (4)}	Basic module for navigation and signal light control and monitoring
	AHD-PS 15 ⁽¹⁾	Data station for 15 binary inputs
	AHD-PS 15B ⁽¹⁾	Data station with duty selection function
	AHD-PS 30 ⁽¹⁾	Data station for 30 binary inputs
	AHD-PS 47 ⁽¹⁾	Data station for 47 binary inputs
	AHD R 101 ^{(1), (3)}	Microprocessor controlled relay station
	AHD-SAS 15 M12 ^{(1), (3)}	Data station for analog and binary sensors
	AHD-UCC ⁽³⁾	Repeater
	AHD-UIC	Compact protocol converter
	AHD-WAOP K	Personnel alarm system

AHD-WAOP	BNWAS
AHD-GAP F	General alarm unit with fire alarm function
AHD 570 DP	5.7" LCD colour display
AHD-DRM R	Control unit for colour displays and monitors with rotary push drive
AHD-DRM T	Control unit for colour displays and monitors with trackball

