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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	Endress+Hauser Conducta GmbH+Co.KG		
Address	Dieselstrasse 24, Gerlingen, 70839, Germany		
Туре	Transmitters/Transducers		
Description	Compact measuring system for inductive conductivity measurement in liquids with medium to high conductivity		
	Refer to the Appendix for further details.		
Trade Name	Smartec CLD18		
Application	Marine, offshore and industrial application for use in environmental categories ENV1 and ENV2 (Bridge and Deck Zone) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2015.		
Specified Standard	Manufacturer's specification IACS unified requirements E10 (Rev.8 Feb 2021)		
Ratings	Nominal power supply:24 VDCPower consumption:3 WOutput signal conductivity:0/4 to 20 mAOutput signal temperature:0/4 to 20 mA		

Thorsten Wolff

Senior Specialist to Lloyd's Register EMEA A member of the Lloyd's Register group

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Additional Tests	Dry heat test (60°C/16h) Enclosure test IP69K
Other Conditions	Operating temperatures below +5° C have not been verified by documentary evidence.

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: This certificate supersedes certificate number LR21224778TA issued on 20 June 2021 which is hereby cancelled.

The Design Appraisal Document HTS/ETS 41370-21/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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TYPES

PLACE OF

PRODUCTION

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<u>Appendix</u>

Smartec CLD18 - 0@

① Housing:A = PlasticB = Stainless Steel

⁽²⁾ Process Connection:			
GCP	Thread G1 ¹ / ₂ " PVC		
GGE	Thread G1½ " Stainless Steel		
LQP	Coupling nut 2¼ " PVC		
MDK	Aseptic fitting DIN 11864-1-A DN50 Stainless Steel		
MEK	Aseptic fitting DIN 11864-1-A DN40 Stainless Steel		
MOK	Dairy fitting DIN 11851 DN50 Stainless Steel		
MOP	Dairy fitting DN50 PVC		
MQK	Dairy fitting DIN 11851 DN40 Stainless Steel		
MXK	Dairy fitting DIN 11853-2 DN40 Stainless Steel		
MYK	Dairy fitting DIN 11853-2 DN50 Stainless Steel		
TDK	Tri-Clamp ISO2852 2" Stainless Steel		
TSK	Varivent N DN40 to 125 Stainless Steel		
TXJ	SMS fitting 2" Stainless Steel		

Electronic boards:	FXSD1	FXSS1		
Firmware version no.:	V2.00.xx	V1.00.xx		
Hardware version no.:	VX.03.xx	VX.04.xx		
(xx = minor modifications, buck fixes)				

Endress+Hauser Conducta GmbH+Co.KG Landsberger Str. 28 04736 Waldheim Germany

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