

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
Type	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 VDC Power consumption: 3 W Output signal conductivity: 0/4 to 20 mA Output signal temperature: 0/4 to 20 mA

Type Approval Certificate

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.

Appendix

TYPES

Smartec CLD18 - ①②

① Housing:

A = Plastic

B = Stainless Steel

② Process Connection:

GCP Thread G1½" 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)

PLACE OF PRODUCTION

Endress+Hauser Conducta GmbH+Co.KG

Landsberger Str. 28

04736 Waldheim

Germany