

HERSTELLERERKLÄRUNG MANUFACTURER DECLARATION

Hersteller/
Manufacturer: **Camille Bauer Metrawatt AG**
Switzerland

Anschrift/
Address: **Aargauerstrasse 7**
CH-5610 Wohlen

Produktbezeichnung/
Product name: **KINAX HW730**

Typ/
Type:

Maritime Produkteigenschaften

Da die Firmen GL (Germanischer Lloyd) und DNV (Det Norske Veritas, Norwegen) im September 2015 fusioniert haben, ist eine reine Erneuerung von GL-Zertifikaten nicht mehr möglich

Bei einer reinen Zertifikatserneuerung hätten sich folgende Änderungen, mit Auswirkungen auf das angefügte GL-Zertifikat Nr. 59 562-12 HH, ergeben:

- Einführung ATEX und IECEx-Zertifizierung: Auf dem Typenschild sind die entsprechenden Kennzeichnungsvorgaben aufgedruckt
- Einführung HW730 mit ETH-Kommunikation: Speisung und Kommunikation über POE, Firmware-Version ist neu 1.7
- Keine Änderungen aller anderen im GL-Zertifikat beschriebenen maritimen Eigenschaften

Für Fragen oder Interesse an einer Zertifizierung nach „DNV GL“ oder einer anderen Zulassungsstelle, stehen wir Ihnen natürlich gerne zur Verfügung.

Maritime product features

Since the companies GL (Germanischer Lloyd) and DNV (Det Norske Veritas, Norway) merged in September 2015, a pure renewal of GL certificates is no longer possible.

In the case of a pure certificate renewal, the following changes with impact on the attached GL certificate no. 59 562-12 HH would have resulted:

- Introduction of ATEX and IECEx certification: The corresponding labeling specifications are printed on the type label
- Introduction of KINAX HW730 with ETH communication: Power supply and communication via POE, firmware version is new 1.7
- No changes to all other maritime features described in the GL certificate

We are of course at your disposal for any questions or if you are interested in a certification according to "DNV GL" or another certification body.

Wohlen, 16th March 2020

Camille Bauer Metrawatt AG



Jürg Brem
Quality Manager



Markus Fähndrich
Product Manager

Type Approval Certificate



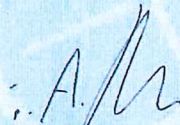
This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

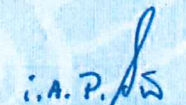
Certificate No.	59 562 - 12 HH
Company	Camille Bauer AG Aargauerstrasse 7 5610 Wohlen, SWITZERLAND
Product Description	Programmable hollow-shaft transmitter for angular position
Type	KINAX HW730
Environmental Category	D, H, EMC1
Technical Data / Range of Application	Measured quantify: Angle of rotation Measuring principle: Capacitive method. Differential screen capacitor with contact free, non-wearing positional pick-up. Drive shaft fully rotatable without stops. Angle measuring range: Programmable between 0 ... 360° Power supply: 24V DC, protected against wrong polarity Standard range: 4 ... 20 mA, two-wire Material: Housing anodized aluminium, Hollow shaft -rust-proof, hardened steel Connections: Cable gland metal, plug metal (M12/4poles) Housing protection: IP67 / IP69K Firmware version: 1.6 uC-programming Environmental Category "H": Cold test with -40°C / 2h, Dry Heat test with +85°C / 2h Vibration test 2...25Hz displacement +/-1.6mm, 25...500Hz acceleration 10g
Test Standard	Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003
Documents	Test reports: electrosuisse no. 11-EL-0171.11 (19.10.12)+11-EL-0171.60 (20.09.12), TEA no. UB 11434 (23.10.12); Data sheet HW730 Ld-06.12, Operating instructions HW730 Bdfe 06.12, Drawings acc. to submitted file
Remarks	None
Valid until	2017-12-02
Page	1 of 1
File No.	I.D.04
Hamburg, 2012-12-03	

Type Approval Symbol



Germanischer Lloyd


Marco Rinkel


Klaus-Peter Schröder

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".