



中国船级社
CHINA CLASSIFICATION SOCIETY

编号 HBT04721061
No.

船用产品型式认可证书

CERTIFICATE OF TYPE APPROVAL FOR MARINE PRODUCT

产品名称 Description	<u>Level Radar</u>	制造厂名 Manufacturer	<u>KROHNE Messtechnik GmbH&Co.KG</u>
产品型号 Model	<u>BM 70 M (P)</u>	厂址 Address	<u>Ludwig-Krohne-Str.5 D-47058,Duisburg,Germany</u>
图纸批准号 Approval No. of drawing	<u>HBT04721061</u>		

产品明细
Particulars

Power supply:	24V AC/DC ,115/230VAC
Frequency range:	FMCW Radar in X-Band (8.5-9.9GHz)
Output:	RS485 serial interface, Profibus-PA/Foundation Fieldbus, 4-20mA current output HART ,Switching output,max.100mA/30V DC or 30V AC
Measuring range:	0-35m
Accuracy:	2mm(up to 20 m), ±0.01%(>20 m)
Antenna:	Solid(SA) or Horn (V96)
Display :	Local LC-Display (two lines illuminated)
Degree of protection:	IP67
Ex-Protection:	EEx de IIC T6...T1 resp.EEX de [ia] IIC T6..T1
Firmware version:	4.xx

Document

1. DMT 2112-VKB-2002-114 , P02-00819e	2. ROSE 11a
3. EMV L0490402-1/-2	4. Ex-Certificate PTB 02 ATEX 1078
5. Krohne 11/02, 12/02, 13/02, 14/02, 15/02,16/02,17/02,18/02,20/02,21/02, 26/02,27/02,28/01	

Note:-CCS should be informed, of any modifications to the type-tested products that may affect compliance with the requirements or conditions laid down for use of the products.

In case of the specified regulations or standards are amended during the validity of this certificate, the products must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

THIS IS TO CERTIFY that the Surveyor to this Society has examined the drawings and technical documents of the above-mentioned product, and carried out an inspection and test on Dec.20,2004; **and that** both the drawings and test results are found in compliance with the requirements of **CCS Rules** and **relevant stands**. The Type Approval for the subject product is hereby granted.

After the Type Approval, the subject product shall be surveyed and certified in accordance with the requirements of this Society.

本证书有效期至 Jan.09,2009
This Cert. is valid until
发证日期 Jan.10,2005
Date of issue

