

Type Approval Certificate Extension

This is to certify that Certificate No. 96/00022 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Instrumentacion Industrial Zurc, S.A.
PLACE OF PRODUCTION	C/Pujadas 77-79 7a Planta 08005 Barcelona Spain
DESCRIPTION	Moving Iron Ammeters
TYPE	EC 96.../5A EC 72.../5A EC 48.../5A
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in LR Test Specification No. 1, 1990.

"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."

The attached Design Appraisal Document No. 96/00022(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 96/00022 to which this extension should be attached.

Certificate No.	96/00022(E1)
Issue Date	14 October 2003
Expiry Date	7 May 2006
Sheet	1 of 1

M. A. Ruffaie
M.H.A. Ruffaie
Marine Support Group
London

DESIGN APPRAISAL DOCUMENT

Date 14 October 2003	Quote this reference on all future communications DAPP/MSG/ECE/TA/W00251780/MHR/O- 39319
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LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002.
Issued to: INSTRUMENTACION INDUSTRIAL ZURC, S.A.
TYPE APPROVAL CERTIFICATE No. 96/00022(E1)

The undernoted documents have been reviewed for compliance with the requirements of Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

ADDITIONAL APPROVAL DOCUMENTATION

Request form	09.05.2002
LR Barcelona memo	28.05.2002

Data Sheets

ZURC (moving iron ammeters and voltmeters a.c.)	Undated
ZURC (detailed diagram)	Undated

Drawings

No. 2 121 006	16.03.1998
No. 2 124 011	16.03.1998
No. 2 123 075	16.03.1998
No. 2 128 004	16.03.1998
No. 2 121 011	11.06.1998
Aparato de heirro movil EC48 100mA ÷ 15A y V	11.06.1998
No. 2 124 006	16.03.1998
No. 2 128 001	16.03.1998
No. 2 123 076	16.03.1998
No. 2 123 041	30.06.1998
No. 2 121 013	11.06.1998
No. 2 128 006	11.03.1998
Aparato de heirro movil EC96 100mA ÷ 15A y V	11.06.1998
No. 2 124 014	16.03.1998
No. 2 116 034	16.03.1998

TEST REPORTS

DAR Certificate No. 20200142/2-2	18.12.2001
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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

DESIGN APPRAISAL DOCUMENT

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Supplementary Type Approval Terms and Conditions(cont.)

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.



M.H.A. RUFAlE
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Electrical and Control Engineering/Type Approval
Marine Support Group/ Lloyd's Register EMEA (London)
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Part 2
Measuring Instruments and CT's (Part 2)

Producer/Licence No.	Type	Standard	Class	Supply	Range	Category/ Additional Tests	Remarks	Cert. No.
Instrumentacion Industrial Zurc, S.A., C/Pujadas, 77-79 7a Planta, 08005 Barcelona, Spain.	Moving iron ammeter EC96.../5A EC72.../5A EC48.../5A	IEC 51	1.5 a.c.	250V 20Hz to 100Hz	1 to 100A f.s.d. 90° Scale	ENV1 ENV2 (1990) Operating temperature -25°C to +40°C IP52 to IEC 144 & IEC 529	Expires: 7 May 2006	96/00022 (E1)

14 OCT 2003
MHR