

## Type Approval Certificate Extension

*This is to certify that Certificate No. 96/30005(E2) for the undernoted products is extended and renumbered as shown.*

This certificate is issued to:

<b>PRODUCER</b>	Thermo Electra B.V. Weteringweg 10 2641 KM Pijnacker The Netherlands
<b>DESCRIPTION</b>	Thermo Couple and Platinum Resistance Temperature Sensors
<b>TYPE</b>	Thermo Couple Assemblies: LV1000 range Resistance Thermometers: LV2000 range TEK – 100 – 4L (4 wire Pt 100)

*"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. ROT.TA.1191608 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 90/0094 to which this extension should be attached.

<b>Certificate No.</b>	96/30005 (E3)
<b>Issue Date</b>	12 September 2011
<b>Expiry Date</b>	04 May 2016
<b>Sheet</b>	1 of 1

  
G.J. Vromans  
Type Approval Department  
Lloyd's Register EMEA

Lloyd's Register EMEA  
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## DESIGN APPRAISAL DOCUMENT

Date 08 september 2011	Quote this reference on all future communications ROT.TA. 1191608/GJV
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### LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002.

**Issued to: Thermo Electra B.V., Pijnacker**  
**for: Thermo Couple and Platinum Resistance Temperature Sensors**  
**Type: Thermo Couple Assemblies: LV1000 range**  
**Resistance Thermometers: LV2000 range and**  
**TEK - 100 - 4L**  
**TYPE APPROVAL CERTIFICATE No. 96/30005(E3)**

The under noted documents have been reviewed for compliance with the requirements of Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document is a supplement to the Certificate.

#### APPROVAL DOCUMENTATION

See previous documents. Item TEK -100- 4L has been added to this certificate, this item was recorded and approved on Type Approval certificate number 96/30006 (E1) and this certificate is deleted now.

Letter of changes dd 23-6-2011

Kema Ex cert. 02ATEX2237

New design drawings under

- LV1006 sh1/1,
- LV1007 sh1/1
- LV1008-a sh1/1
- Lv1008-B sh1/1
- LV1009 sh1/1
- LV2002-a sh1/1
- LV2002-b sh1/1
- LV2003 sh1/1
- LV2004 sh1/1
- LV2005 sh1/1
- TEK1004L sh1/1
- LV options
- Durable 30

#### TEST REPORTS

See previous test reports.

#### 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.*

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*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.*

*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 Lloyd's Register Type Approval System Procedure.*

  
G.J. Tromans  
Senior Surveyor  
Type Approval Department