



TYPE APPROVAL CERTIFICATE

N. ELE085917CS



This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Temperature Sensors
<i>Type</i>	Thermocouple K and J type Thermoresistance PT100 type
<i>Applicant</i>	THERMO ENGINEERING S.r.l Via Giuseppina, 19 26030 Malagnino (CR) Italy
<i>Manufacturer</i>	THERMO ENGINEERING S.r.l Via Giuseppina, 19 26030 Malagnino (CR) Italy
<i>Testing Standards</i>	Rules for the Classification of Ships – Part C – Machinery, Systems and fire protection – Ch. 3 Sect. 6 , Tab. 1 / IEC 60751 / IEC 584

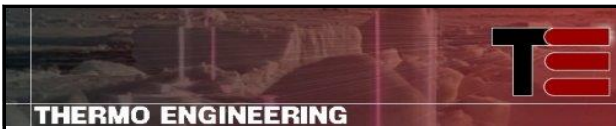
Issued in Genova on March 21, 2017

This certificate is valid until April 18, 2022

Valerio Bonanni

RINA Services S.p.A.

Valerio Bonanni



CERTIFICATE OF CONFORMITY & FINAL TEST

DOCUMENT N° **XXXX**

DATE: **XXXX**

Via Giuseppina,19 26030 Malagnino - CREMONA - ITALY

CUSTOMER : XXXX	REFERENCES ORDER : XXXX	CUSTOMER REFERENCES : XXXX	THERMO ENGINEERING JOB : XXXX
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MATERIAL TYPE : THERMOCOUPLE L=146mm WITH CONNECTION HEAD	CUSTOMER CODE : XXXX	DRAWING : TES.07.02	ITEM : XXXX	QTY XXXX	U.M. PZ
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REFERENCE NORMS & SPECIFY :

<input checked="" type="checkbox"/> EN 60584	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STANDARD TEST

TE.ST.01 <input checked="" type="checkbox"/> SEE, DIMENSIONAL & MARKING	TE.ST.03 <input checked="" type="checkbox"/> ELECTRICAL CONTINUITY
TE.ST.02 <input checked="" type="checkbox"/> ROOM TEMPERATURE INSULATION RESISTANCE	TE.ST.04 <input checked="" type="checkbox"/> POLARITY & CONNECTION DIAGRAM

SPECIAL TEST

TE.ST.01 <input type="checkbox"/> HOT TEMPERATURE INSULATION RESISTANCE	TE.ST.10 <input type="checkbox"/> DIELECTRIC
TE.ST.02 <input type="checkbox"/> CALIBRATION	TE.ST.11 <input type="checkbox"/> VIBRATION
TE.ST.03 <input type="checkbox"/> HIGROSCOPICITY	TE.ST.12 <input type="checkbox"/> HELIUM LEAK
TE.ST.04 <input type="checkbox"/> RESPONSAI TIME	TE.ST.13 <input type="checkbox"/> RADIOGRAFIC
TE.ST.05 <input type="checkbox"/> TRACTION	TE.ST.14 <input type="checkbox"/> SAND & DUST
TE.ST.06 <input type="checkbox"/> THERMAL SHOCK	TE.ST.15 <input type="checkbox"/>
TE.ST.07 <input type="checkbox"/> EXTERNAL PRESSURE	TE.ST.16 <input type="checkbox"/>
TE.ST.08 <input type="checkbox"/> DYE PENETRANT	TE.ST.17 <input type="checkbox"/>
TE.ST.09 <input type="checkbox"/> THERMAL CYCLING	OTHER <input type="checkbox"/>

ATTACHEMENT DOCUMENT :

N°	DOCUMENT N°	DESCRIPTION	N°	DOCUMENT N°	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

Thermo Engineering hereby certifies that items listed has been manufactured inspected and tested in accordance with ISO 9001:2008 specification and satisfied all the requirements. Every functional test and the final test gave positive result.

INSPECTOR : **QUALITY MANAGER :**

