



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.

Description	Temperature Sensors
Type	Thermocouple K and J type Thermoresistance PT100 type
Applicant	THERMO ENGINEERING S.r.l Via Giuseppina, 19 26030 Malagnino (CR) Italy
Manufacturer	THERMO ENGINEERING S.r.l Via Giuseppina, 19 26030 Malagnino (CR) Italy
Testing Standards	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=172mm CABLE 1000mm WITH JUNCTION BOX	CUSTOMER CODE : XXXX	DRAWING : TES.07.01	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 :**

