CERTIFICATE OF CALIBRATION This is a re-printed certificate. Re-printed on: 16 September 2021 ISSUED BY: THERMOSENSE LIMITED						
DATE OF ISSUE: 04	4 September 2021	CERTIFICATE N	o: X2002X		CALIBRATION	
Theri Temperature 8	TOSE F Process Mea	NSC nsurement	All calibrations performed at: Eton House Eton Way Nort Radcliffe Lancashire M26 2ZT Tel: +44 (0)1628 5311	h	21817 Page 1 of 2 APPROVED SIGNATORY	
Customer:	Customer / Customer	/ Customer		Or	der Reference: 123999	
Address:	Address / Void / Sam	ple / Address / Void / Sample / A	ddress / Void / Sample / A	ddress / Void	/ Sample	
	Duplex Pt100 with Te	rminal Head				
Device Description:	X1-999-X1	Sensor Type:	PT100 (3 wire configura	ation) Flat Film	n Detector	
Sensor Length:	190mm	Sensor Diameter:	6.0mm	Imr	nersion Depth: 155/140	
Procedure Used:	pt2b3ab C	alibration Points Requested:	11	Ambien	t Temperature: 24.9°C ± 1.2°C	
Equipment Used:	Isotech Venus 4951 Dry Block Calibrator (381785/1) /Isotech Jupiter 4852 Dry Block Calibrator (40911/1) Isotech milliK & millisKanner (391730/2 & 20AS76/1) / Isotech milliK & millisKanner (391730/1 & 391730/3)					
Reference(s) Used:	PRT (391730/5) / PR ⁻ The de	T (40865/1) vice was examined and found	to be in a satisfactory co	ndition.		
	Res	sults annotated hereon are applicable of	only to the device(s) identified abo	ove.		
Actual Tompora	turo IIIIT)	Results of C	alibration		Uncortainty (+)	
°C	m	A °C	erature E	rror °C	°C	
0.002	4.4	85 0.002	-0	.000	0.20	
35.020	7.8	96 35.17	8 +0	.157	0.20	
70.037	11.2	296 70.24	0 +0	.203	0.20	
100.146	14.2	216 100.3	53 +0	.206	0.20	
150.090	19.0	071 150.42	20 +0	.330	0.50	
0.002	4.4	81 -0.04	0 -0	.042	0.20	
35.020	7.8	96 35.17	8 +0	.157	0.20	
70.037	11.2	286 70.13	7 +0	.100	0.20	
100.146	14.2	212 100.3	11 +0	.165	0.20	
150.090	19.0	057 150.2	75 +0	.185	0.50	
150.090	19.0	066 150.3	68 +0	.278	0.50	
The output of the transmi The result The calibration was per The accuracy of pr	ts indicated above show The results above formed in multiple Dry Bloc ecision sensors may be Part of an AMS du	the probe to be within the tolera in combination with certificate ck Calibrators using IEC 60751 (20 diminished by the number, the l uplex assembly calibrated in con	 ansmitter, using the follow prmula: Temp Rdg = Low ances of Class B Accuracy, X2001X indicate AMS275 b) Temperature Conversion. ength and the quality of cor junction with Certificates X 	as defined by 0 (REV.F) co Coil nections or t 2001X & X20	 a Limit – Low Limit) x (mA out -4) / 16 y BS EN 60751:2008. mpliance. Reference: 2219403 he terminations made to them. 03/4X 	
N.B.: Where statem	ents of conformity are made based on a standard uncertain UKAS is one of the signatories be reproduced other than in full, Service. It provides traceability of	the, they include the effects of uncer- try multiplied by a coverage factor k=2, p to the Multilateral Agreement to the Europe except with the prior written approval of measurement to the SI system of units of	tainty and guard banding in c roviding a coverage probability of aj an co-operation Accreditation (EA) fo he issuing laboratory. This certificate measurement realised at the Nation	ompliance with pproximately 95%. or the mutual reco is issued in acco al Physical Labora	The uncertainty evaluation has been carried out grillion for calibration certificates issued by accred ordance with the laboratory accreditation requirement tory or other recognised national metological institu-	



Supplementary and Supporting Calibration Information and Data

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The results indicated above show the probe to be within the tolerances of Class B Accuracy, as defined by BS EN 60751:2008.