

# PA ALTIMETER CALIBRATION CERTIFICATE

Issued by System Technologies, Ulverston.

5301\_98573.doc

Model	PA500/6-6K8
Serial No.	5301.98573
System No	#
Reference	PO5391


Calibration of PA Altimeter using System Technologies Test Procedure: Altcal.Wrd		
Date of Calibration	25/11/02	Test Instrument: Tektronix Digital Oscilloscope.
Calibration by	GB	Model: THS 720 STD Serial No: B035586

**CONFIGURATION DETAILS** Enter Tick  for configuration.

<b>Frequency/Range (Serial)</b> 500 kHz 6deg / 0.1-10m 500 kHz 6deg / 0.3-50m <input checked="" type="checkbox"/> 200 kHz 20deg / 0.7-50m 200 kHz 20deg / 0.7-100m 200 kHz 10deg / 1-200m	<b>Comms/Analogue</b> RS-485 (TERM 150Ω) RS-232 <input checked="" type="checkbox"/> Analogue Op 0-5v Analogue Op 0-10v (NOT 12V) 4-20mA Current Loop(NOT 12V)	<b>Power</b> 24v (21v-28v) 18v (16v-20v) <input checked="" type="checkbox"/> 12v (9v-20v) <input checked="" type="checkbox"/>
<b>Configuration</b> Straight S/S (4000m) (S) Straight S/S (6800m) (6K8) <input checked="" type="checkbox"/> Plastic R/A (700m) (PRA) Plastic STR (700m) (PS) Alum R/A(2000m) (ALRA) Alum STR (2000m) (ALS) ABS R/A (4000m) (ABS) Alum STR (4000m) (ALS)	<b>Use</b> SCU-3 Control TSS Pipetracker Free Run ASCII <input checked="" type="checkbox"/> Bathy Altimeter LAN Control Interrogate #Z or Z NMEA Altimeter Max No Detect (MNE) Zero No Detect (ZNE) <input checked="" type="checkbox"/>	<b>Analogue Scaling</b> 2 metres (Not 200m) 5 metres 10 metres <input checked="" type="checkbox"/> 15 metres 20 metres 30 metres 50 metres 100 metres 200 metres <input checked="" type="checkbox"/>
Serial O/P: 2P3 FR ZNE Software: ECHO V800	Data Format: 9600,1,8,1 Data Format: 2400,7, ,1	<input checked="" type="checkbox"/> Speed of Sound = 1473 m/s

**BUILD DETAILS**

ITEM	Rev.	Ser No.	ITEM	Rev.	Ser No.	MOD
Transducer Moulding	A	2459.98574	CPU PCB	F	2218.94929	A
Transducer Endcap	C	2394.91833	SON PCB	F	2219.94965	A
Body Tube	C	969.28327	RS-485 PCB	F	2217.N/A	A
Connector Endcap	C	971.N/A	RS-232 PCB	F	2216.74949	A
Water Block	A	987.N/A	4-20mA PCB	F	2220.N/A	A
			INP PCB	F	2215.94887	A

Signed:		Date of Issue: 26/11/02
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Notes:

# ST HYDROSTATIC PRESSURE TEST CERTIFICATE


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Certificate No. PT98573 Page 1 of 1  
Date Of Issue 25/11/02  
Name of Client Tritech International Limited, Aberdeen  
Client PO P005391  
ST Job No. J

**Test Description :-**  
External Pressure Test of PA500/6-6K8 Altimeter S/N 5301.98573

Date of Test	25/11/02	Test Start Time	2.00
Test Operator	GB	Test Finish Time	2.40

Pressure psi	Time at Pressure	Result	Comments
10	5 min	Pass	
1000	5 min	Pass	
10000	30 min	Pass	

ST Quality Check	
Name	Glyn Bolton.
Date	25/11/02
Signed	

ST Copy	
Client Copy	