

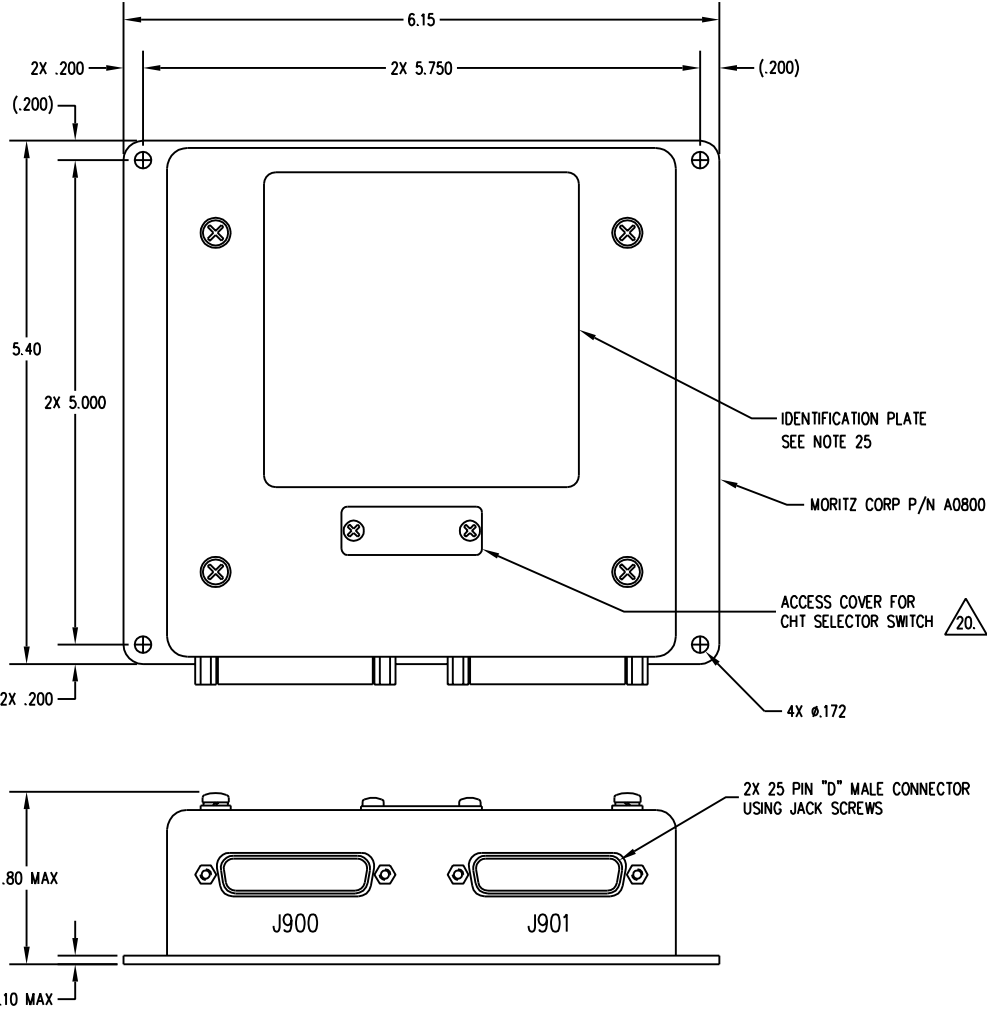
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
00	ECD-04-129	7/09/04	EJS
01	ECD-04-251	10/26/04	JJS

J900 PIN CONNECTIONS

- 1) +28VDC POWER INPUT HIGH (CHANNEL A)
2) POWER INPUT RETURN (CHANNEL A)
3) MAP SIGNAL INPUT HIGH
4) MAP SIGNAL INPUT RETURN
5) AMP ALTERNATOR 2 SIGNAL INPUT HIGH
6) AMP ALTERNATOR 2 SIGNAL INPUT LOW
7) AMP BATTERY SIGNAL INPUT HIGH
8) AMP BATTERY SIGNAL INPUT LOW
9) SPARE - NO CONNECTION
10) OIL TEMPERATURE SIGNAL INPUT HIGH
11) FUEL FLOW SIGNAL INPUT HIGH
12) FUEL FLOW SIGNAL INPUT RETURN
13) SPARE - NO CONNECTION
14) EGT CYLINDER 6 SIGNAL INPUT - ALUMEL, RED (-)
15) EGT CYLINDER 6 SIGNAL INPUT - CHROMEL, YELLOW (+)
16) EGT CYLINDER 5 SIGNAL INPUT - ALUMEL, RED (-)
17) EGT CYLINDER 5 SIGNAL INPUT - CHROMEL, YELLOW (+)
18) EGT CYLINDER 4 SIGNAL INPUT - ALUMEL, RED (-)
19) EGT CYLINDER 4 SIGNAL INPUT - CHROMEL, YELLOW (+)
20) EGT CYLINDER 3 SIGNAL INPUT - ALUMEL, RED (-)
21) EGT CYLINDER 3 SIGNAL INPUT - CHROMEL, YELLOW (+)
22) EGT CYLINDER 2 SIGNAL INPUT - ALUMEL, RED (-)
23) EGT CYLINDER 2 SIGNAL INPUT - CHROMEL, YELLOW (+)
24) EGT CYLINDER 1 SIGNAL INPUT - ALUMEL, RED (-)
25) EGT CYLINDER 1 SIGNAL INPUT - CHROMEL, YELLOW (+)

J901 PIN CONNECTIONS

- 1) +28VDC POWER INPUT HIGH (CHANNEL B)
2) POWER INPUT RETURN (CHANNEL B)
3) CHT CYLINDER 1 SIGNAL INPUT HIGH
4) CHT CYLINDER 2 SIGNAL INPUT HIGH
5) CHT CYLINDER 3 SIGNAL INPUT HIGH
6) CHT CYLINDER 4 SIGNAL INPUT HIGH
7) CHT CYLINDER 5 SIGNAL INPUT HIGH
8) CHT CYLINDER 6 SIGNAL INPUT HIGH
9) VDC MAIN BUS SIGNAL INPUT HIGH
10) RS232 GROUND
11) RS232 TRANSMIT
12) RS232 RECEIVE
13) RS232 SHIELD
14) OIL PRESSURE SIGNAL INPUT HIGH
15) OIL PRESSURE SIGNAL RETURN
16) AMP ALTERNATOR 1 SIGNAL INPUT HIGH
17) AMP ALTERNATOR 1 SIGNAL INPUT LOW
18) VDC ESSENTIAL BUS INPUT HIGH
19) OAT SIGNAL INPUT HIGH
20) OAT SIGNAL INPUT RETURN
21) PROP RPM SIGNAL INPUT HIGH
22) PROP RPM SIGNAL INPUT RETURN
23) SPARE - NO CONNECTION
24) SPARE - NO CONNECTION
25) SPARE - NO CONNECTION



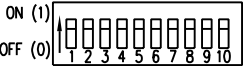
NOTES:

1. SENSOR INTERFACE UNIT PART NUMBER IS A0800.
2. WEIGHT: 1.40 LBS. MAX.
3. POWER INPUT: 10 TO 33 VDC.
4. POWER CONSUMPTION: 3.5 WATTS MAX.
5. STORAGE TEMPERATURE RANGE: -55 °C TO +85 °C
6. OPERATING TEMPERATURE RANGE: -40 °C TO +70 °C.
7. OPERATING ALTITUDE RANGE: 25,000 FEET ABOVE SEA LEVEL.
8. THE SENSOR INTERFACE UNIT COMPLIES TO DO-160D AS LISTED IN THE TABLE.
9. THE SENSOR INTERFACE UNIT COMPLIES WITH DO-178B, LEVEL D.
10. FOR PROPER OPERATION, THE SENSOR INTERFACE UNIT MUST BE CONNECTED IN PARALLEL WITH THE EXISTING PRIMARY INSTRUMENTATION.
11. THE SIGNAL INPUTS TO THE SIGNAL INTERFACE UNIT FROM THE OIL TEMPERATURE SENSOR AND THE CYLINDER HEAD TEMPERATURE SENSOR (SUPPLIED WITH THE ENGINE) BECOME A VOLTAGE TYPE INPUT AFTER THE CONNECTIONS ARE MADE IN PARALLEL WITH THE EXISTING PRIMARY INSTRUMENTATION. (EXCEPT WHEN DIP SWITCH IS SET FOR "ALL NEW CHT SENSORS ARE SELECTED" - SEE DIP SWITCH SETTINGS TABLE AT RIGHT)
12. THE SENSOR INTERFACE UNIT MAINTAINS ITS CONFIGURATION AND CALIBRATION DATA WHEN POWERED OFF.
13. RS232 DATA FORMAT IS AS LISTED IN THE TABLE ON SHEET 2.
14. ALL SIGNAL INPUTS ARE IN PARALLEL WITH THE EXISTING AIRCRAFT INSTRUMENTS, EXCEPT EGT (6 CHANNELS), CHT AND OAT.
15. CHT SIGNAL INPUT SELECTION METHOD SHALL BE VIA AN ON-BOARD SELECTOR SWITCH (SEE NOTE 20 AND TABLE AT RIGHT).
16. TO MEET EMI PROTECTION REQUIREMENTS OF DO-160D, ALL SIGNAL INPUT AND OUTPUT LINES MUST BE SHIELDED, WITH THE SHIELD GROUNDED AT THE SIU CONNECTOR SIDE.

17. FOR ACCEPTANCE TEST PROCEDURE (FINAL TEST AND INSPECTION), SEE QP-43. FORM F-068 WILL BE USED TO RECORD THE TEST RESULTS AND WILL ACCOMPANY EACH UNIT SHIPPED TO THE CUSTOMER.
18. FOR FINAL ASSEMBLY, SEE DRAWING A0843.
19. THE CURRENT SHUNTS FOR ALTI. ALT2 AND BATTERY AMP PARAMETERS ARE LOCATED IN THE HIGH SIDE OF EACH LINE WITH THE COMMON MODE VOLTAGE OF 6 TO 12 VOLTS MAX.

20. DIP SWITCH SETTINGS:

DIP SWITCH SETTINGS	
AIRCRAFT / SERIAL NUMBER	SW1 SW2 SW3 SW4 SW5 SW6 SW7 SW8 SW9 SW10
SR-20 / SERNOS 004 TO 1147 OLD CHT SENSOR SELECTED ON CYL NO. 2	1 0 1 0 1 0 0 1 0 0
SR-20 / SERNOS 004 TO 1147 ALL NEW CHT SENSORS SELECTED	0 1 1 0 1 0 0 1 0 1
SR-20 / SERNOS 1148 AND UP OLD CHT SENSOR SELECTED ON CYL NO. 3	0 1 0 1 0 1 0 1 0 0
SR-20 / SERNOS 1148 AND UP ALL NEW CHT SENSORS SELECTED	0 1 0 0 1 1 0 1 0 1
SR-22 / ALL SERNOS OLD CHT SENSOR SELECTED ON CYL NO. 6	0 1 0 0 1 0 1 0 0 0
SR-22 / ALL SERNOS ALL NEW CHT SENSORS SELECTED	0 1 0 0 1 0 0 1 0 1



21. TOLERANCE IS BASED ON ±1% OF FULL SCALE VALUE OR ONE COUNT, WHICHEVER IS GREATER, FROM 0 TO 40 °C AND 2% OR TWO COUNTS, WHICHEVER IS GREATER, FROM 0 TO -40 °C AND +40 TO +70 °C.
22. AVIDYNE PART NUMBER IS 200-00031-000.
23. MOD 1 BOX ON IDENTIFICATION PLATE TO BE CHECKED FOR REV F CONFIGURATION.
24. MOD 3 BOX ON IDENTIFICATION PLATE TO BE CHECKED FOR REV H CONFIGURATION.
25. MOD 4 BOX ON IDENTIFICATION PLATE TO BE CHECKED FOR REV J CONFIGURATION.

SPECIFICATION CONTROL DRAWING

DO-160D ENVIRONMENTAL QUALIFICATION TESTS		
ENVIRONMENTAL TESTS	RTCA/DO-160D SECTION	CONDUCTED TEST CATEGORY
TEMPERATURE AND ALTITUDE		
LOW TEMPERATURE	4.5.1	EQUIPMENT TO BE TESTED TO CATEGORY B1
HIGH TEMPERATURE	4.5.2 AND 4.5.3	EQUIPMENT TO BE TESTED TO CATEGORY B1
IN-FLIGHT LOSS OF COOLING	4.5.4	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
ALTITUDE	4.6.1	EQUIPMENT TO BE TESTED TO CATEGORY B1
DECOMPRESSION	4.6.2	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
COMPRESSION	4.6.3	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
TEMPERATURE VARIATION	5	EQUIPMENT TO BE TESTED TO CATEGORY B
HUMIDITY	6	EQUIPMENT TO BE TESTED TO CATEGORY A
OPERATIONAL SHOCKS AND CRASH SAFETY	7	EQUIPMENT TO BE TESTED TO CATEGORY B
VIBRATION	8	EQUIPMENT TO BE TESTED TO CATEGORY S, CURVE M
EXPLOSIVE PROOFNESS	9	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
WATER PROOFNESS	10	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
FLUIDS SUSCEPTABILITY	11	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
SAND AND DUST	12	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
FUNGUS RESISTANCE	13	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
SALT SPRAY	14	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
MAGNETIC EFFECTS	15	EQUIPMENT CLASS IS A
POWER INPUT	16	EQUIPMENT TO BE TESTED TO CATEGORY B
VOLTAGE SPIKE	17	EQUIPMENT TO BE TESTED TO CATEGORY B
AUDIO FREQUENCY CONDUCTED SUSCEPTABILITY	18	EQUIPMENT TO BE TESTED TO CATEGORY B
INDUCED SIGNAL SUSCEPTABILITY	19	EQUIPMENT TO BE TESTED TO CATEGORY A
RADIO FREQUENCY SUSCEPTABILITY	20	EQUIPMENT TO BE TESTED TO CATEGORY W
EMISSION OF RADIO FREQUENCY ENERGY	21	EQUIPMENT TO BE TESTED TO CATEGORY M
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	22	EQUIPMENT TO BE TESTED TO CATEGORY A3E3
LIGHTNING DIRECT EFFECTS	23	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
ICING	24	EQUIPMENT IDENTIFIED AS CATEGORY X, NO TEST PERFORMED
ELECTRO STATIC DISCHARGE	25	EQUIPMENT IDENTIFIED AS CATEGORY A

MOD	DESCRIPTION
1	MORITZ ECD 1470 TO CORRECT HIGH CHT TEMP.
2	NOT USED
3	MORITZ ECD 1610 TO ADDRESS VHF RADIO INTERFERENCE
4	MORITZ ECD 1665 TO CORRECT MFG ERROR DUE TO MFG CHANGE THAT OCCURED IN MOD 3. NOW AT REV J, MOD 4

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			AVIDYNE CORPORATION PROPRIETARY INFORMATION		AVIDYNE CORPORATION 55 Old Bedford Road Lincoln, MA 01773			
FRACTIONS ± 1/32	DECIMALS .X ±.02 .XX ±.01 .XXX ±.005	ANGLES ± .5°	APPROVALS		DATE		ENGINE INSTRUMENT SENSOR INTERFACE UNIT	
MATERIALS	FINISH	DO NOT SCALE DRAWING	DRAWN BY J. SQUADRITO		10/25/04			
			CHECKED E. SHEASBY		10/25/04			
					SIZE D	DWG. NO. 200-00031-XXX		REV. 01
					SCALE		SHEET 1 OF 2	

SENSOR INPUT INFORMATION

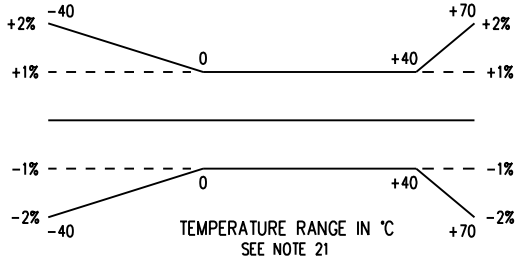
PARAMETER	RANGE / UNIT	FACTOR	CALIBRATION DATA								TOLERANCE OVER ENTIRE RANGE		SENSOR INFORMATION	CIRRUS AIRCRAFT MODEL NUMBER	CIRRUS AIRCRAFT SERIAL NUMBER	PARALLEL INSTRUMENT PART NUMBER
											NORMAL TEMP	EXTREME TEMP				
MAP	0.0 TO 35.0 IN-HG	VDC / IN-HG	0.50 / 0.0	0.696 / 5.0	0.893 / 10.0	1.089 / 15.0	1.285 / 20.0	1.482 / 25.0	1.679 / 30.0	1.875 / 35.0	±0.3 IN-HG	±0.7 IN-HG	KAVLICO PART NUMBER P155-50A-E4B	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12617-001 / -002
RPM	0 TO 3500 RPM	HZ / RPM	0 / 0	41.30 / 500	82.60 / 1000	123.90 / 1500	165.20 / 2000	206.50 / 2500	247.80 / 3000	289.10 / 3500	±35 RPM	±70 RPM	ROCHESTER, CIRRUS PART NUMBER 12630-001 1.239 PPR X 4 RATIO	SR20	ALL	CIRRUS PART NUMBER 12620-002
RPM	0 TO 3500 RPM	HZ / RPM	0 / 0	12.50 / 500	25.00 / 1000	37.5 / 1500	50.00 / 2000	62.50 / 2500	75.00 / 3000	87.50 / 3500	±35 RPM	±70 RPM	PENNY AND GILES 1.5 PPR	SR22	ALL	CIRRUS PART NUMBER 13559-001
EGT	500 TO 1650 °F	mV / °F (CJ = ICE)	10.561 / 500	26.978 / 1200	29.315 / 1300	31.628 / 1400	33.912 / 1500	36.166 / 1600	37.281 / 1650		±16 °F	±33 °F	TYPE K THERMOCOUPLE	SR20 AND SR22	ALL	NA
FUEL FLOW	0.0 TO 18.0 GPH	HZ / GPH	0.00 / 0.0	27.77 / 3.0	55.555 / 6.0	83.332 / 9.0	111.11 / 12.0	138.88 / 15.0	166.665 / 18.0		±0.2 GPH	±0.4 GPH	FLOSCAN, CIRRUS PART NUMBER 12640-001 K-FACTOR 33,333 PPG	SR20	004 TO 1147	CIRRUS PART NUMBER 12617-001
FUEL FLOW	0.0 TO 18.0 GPH	HZ / GPH	0.00 / 0.0	24.333 / 3.0	48.666 / 6.0	73.000 / 9.0	97.333 / 12.0	121.66 / 15.0	146.00 / 18.0		±0.2 GPH	±0.4 GPH	FLOSCAN, CIRRUS PART NUMBER 14079-001 K-FACTOR 29,200 PPG	SR20	1148 AND UP	CIRRUS PART NUMBER 12617-002
FUEL FLOW	0.0 TO 30.0 GPH	HZ / GPH	0.00 / 0.0	40.555 / 5.0	81.11 / 10.0	121.666 / 15.0	162.222 / 20.0	202.777 / 25.0	243.333 / 30.0		±0.3 GPH	±0.6 GPH	FLOSCAN, CIRRUS PART NUMBER 13916-001 K-FACTOR 29,200 PPG	SR22	ALL	CIRRUS PART NUMBER 13558-001
CHT	100 TO 500 °F	VDC / °F	1.242 / 100	1.211 / 150	1.129 / 200	1.021 / 250	0.879 / 300	0.723 / 350	0.568 / 400	0.349 / 500	±5 °F	±10 °F	ROCHESTER, CIRRUS PART NUMBER 12637-001	SR20 - CYLINDER 2 SR20 - CYLINDER 3 SR22 - CYLINDER 6	004 TO 1147 1148 AND UP ALL	CIRRUS PART NUMBER 12616-001
CHT (NEW)	100 TO 500 °F	OHMS / °F	114.69 / 100	125.35 / 150	135.85 / 200	146.44 / 250	167.00 / 350	177.33 / 400	187.56 / 450	197.71 / 500	±5 °F	±10 °F	WATLOW PART NUMBER RF103440 OUTPUT PER DIN-IEC-751 PLATINUM RTD	SR20 AND SR22	ALL	NA
OP	0 TO 100 PSI	VDC / PSI	0.500 / 0	1.033 / 20	1.566 / 40	2.100 / 60	2.633 / 80	3.166 / 100			±1 PSI	±2 PSI	KAVLICO PART NUMBER P155-150G-E4B	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12619-001
OT	75 TO 250 °F	VDC / °F	1.143 / 75	1.069 / 100	0.851 / 150	0.578 / 200	0.458 / 225	0.360 / 250			±2 °F	±5 °F	ROCHESTER, CIRRUS PART NUMBER 12634-001	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12619-001
AMPS (ALTERNATOR 1)	0 TO 60 AMPS	mV / AMPS	0.00 / 0	8.33 / 10	16.66 / 20	25.00 / 30	33.33 / 40	41.66 / 50	50.00 / 60		±1 AMP	±2 AMPS	CIRRUS PROPRIETARY	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12618-001
AMPS (ALTERNATOR 2)	0 TO 60 AMPS	mV / AMPS	0.00 / 0	8.33 / 10	16.66 / 20	25.00 / 30	33.33 / 40	41.66 / 50	50.00 / 60		±1 AMP	±2 AMPS	CIRRUS PROPRIETARY	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12618-001
AMPS (BATTERY)	-60 TO 60 AMPS	mV / AMPS	-50.00 / -60	-25.00 / -30	-8.33 / -10	0.00 / 0	8.33 / 10	25.00 / 30	33.33 / 40	50.00 / 60	±1 AMP	±2 AMPS	CIRRUS PROPRIETARY	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12618-001
VDC (MAIN)	0.0 TO 36.0 VDC	VDC / VDC	0.00 / 0.0	10.00 / 10.0	15.00 / 15.0	20.00 / 20.0	25.00 / 25.0	28.00 / 28.0	36.00 / 36.0		±0.4 VOLTS	±0.7 VOLTS	AIRCRAFT BUS	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12618-001
VDC (ESSENTIAL)	0.0 TO 36.0 VDC	VDC / VDC	0.00 / 0.0	10.00 / 10.0	15.00 / 15.0	20.00 / 20.0	25.00 / 25.0	28.00 / 28.0	36.00 / 36.0		±0.4 VOLTS	±0.7 VOLTS	AIRCRAFT BUS	SR20 AND SR22	ALL	CIRRUS PART NUMBER 12618-001
OAT (NEW)	-40 TO 60 °C	OHMS / °C	77.39 / -40	83.77 / -20	90.38 / 0	97.31 / 20	104.60 / 40	112.28 / 60			±1 °C	±2 °C	NORWICH PART NUMBER 102-00002 (MS-28034-3) OUTPUT PER MIL-T-7990B	SR20 AND SR22	ALL	NA

RS232 DATA FORMAT		
HEADER NAME	RESOLUTION	PARAMETER
AC (SEE NOTE 1)	NA	AIRCRAFT TYPE
E1	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 1
E2	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 2
E3	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 3
E4	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 4
E5	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 5
E6	1 DEGREE	EXHAUST GAS TEMPERATURE (EGT) IN °F, CYLINDER 6
C1	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 1
C2	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 2
C3	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 3
C4	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 4
C5	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 5
C6	1 DEGREE	CYLINDER HEAD TEMPERATURE (CHT) IN °F, CYLINDER 6
OILT	1 DEGREE	OIL TEMPERATURE IN °F
OILP	1 PSI	OIL PRESSURE
RPM	10 RPM	TACHOMETER
OAT	1 DEGREE	OUTSIDE AIR TEMPERATURE IN °C
MAP	0.1 IN-HG	MANIFOLD PRESSURE
FF	0.1 GPH	FUEL FLOW
USED	0.1 GALLON	FUEL USED (CALCULATED)
AMP1	1 AMP	ALTERNATOR 1 CURRENT SENSE
AMP2	1 AMP	ALTERNATOR 2 CURRENT SENSE
AMPB	1 AMP	BATTERY CURRENT SENSE
MBUS	0.1 VDC	MAIN BUS VOLTAGE
EBUS	0.1 VDC	ESSENTIAL BUS VOLTAGE

RS232 INTERFACE NOTES:

1. AIRCRAFT TYPE DESIGNATOR: "0" = CIRRUS SR20, SERNO 004 TO 1147,
"1" = CIRRUS SR20, SERNO 1148 AND SUBSEQUENT, "2" = SR22.
2. HEADER EXAMPLE: "AC","E1","E2","E3","E4","E5","E6","C1","C2","C3","C4","C5","C6","OILT",
"OILP","RPM","OAT","MAP","FF","USED","AMP1","AMP2","AMPB","MBUS","EBUS",<checksum><cr><lf>
3. DATA EXAMPLE: 2,1290,1300,1350,1260,1410,1390,385,320,352,384,330,355,192,80,2250,40
21.6,12.0,23.8,35.2,9.7,-1.1,22.6,22.0,5094<cr><lf>
4. WHEN THERE IS NOT ALT-1, ALT-2 AND VDC ESS PARAMETER FOR THE FIELD AS LISTED IN THE TABLE,
"NA" WILL BE SENT WITH THE QUOTATION MARKS INCLUDED.
5. ONE RS232 INTERFACE SHALL BE UTILIZED BY THE SENSOR INTERFACE UNIT.
6. THE RS232 TRANSMISSION OF THE DATA FROM THE SENSOR INTERFACE UNIT TO THE
MULTI-FUNCTION DISPLAY SHALL BE 5 HZ.
7. THE RS232 INTERFACE SHALL BE CAPABLE OF OPERATING UP TO 9600 BPS, NO PARITY,
8 BITS, 1 STOP BIT.
8. THE DATA OUTPUT SHALL BE ASCII, COMMA DELIMITED TEXT.
9. THE OUTPUT SHALL TRANSMIT AN ASCII HEADER EVERY 15 TRANSMISSIONS.
10. A 16-BIT ADDITIVE CHECKSUM SHALL BE USED FOR SERIAL TRANSMISSION ERROR CHECKING
FOR EACH TRANSMISSION (4 DIGIT HEX).
11. THE MINIMUM SAMPLING RATE OF SENSOR DATA SHALL BE 2 SECONDS.
12. THE SENSOR INTERFACE UNIT AND THE EXISTING PRIMARY INSTRUMENTATION SHALL
HAVE EQUIVALENT VALUES WITHIN 5%.

SENSOR INTERFACE UNIT TOLERANCE



DASH NO.	PART
000	SENSOR INTERFACE UNIT, CIRRUS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .X ±.02 .XX ±.01 .XXX ±.005 ANGLES ± .5° MATERIALS FINISH DO NOT SCALE DRAWING	AVIDYNE CORPORATION PROPRIETARY INFORMATION		AVIDYNE CORPORATION 55 Old Bedford Road Lincoln, MA 01773	
	APPROVALS	DATE	ENGINE SENSOR INTERFACE UNIT SPECIFICATION CONTROL DRAWING	
	DRAWN BY J. SQUADRITO	10/25/04		
	CHECKED E. SHEASBY	10/25/04	SIZE D	DWG. NO. 200-00031-XXX
			SCALE	REV. 01
			SHEET 2 OF 2	