

ATTACHMENT 5

Brake Pressure Transducer Examination Results

ACCEPTANCE TEST DATA

MODEL: IBA103G-93 C/N: _____
 RANGE: 0 - 5000G TECHNICIAN: _____
 S/N: 90-0107 DATE: 9/30/2015

3.1 INSULATION RESISTANCE: > 500 Megohms (LIMIT : ≥ 100 MEGOHMS)
 3.2 ACCURACY: EXCITATION VOLTAGE $28.0 \pm .02$ VDC

TEMPERATURE 72° F

PRESSURE % FULLSCALE	OUTPUT, V			LIMITS
	ASC	DEC	ASC	
0	-0.035	-0.039	-0.039	0 + 0.1 VDC
20	0.987	0.984	0.984	
40	2.006	2.004	2.005	
60	3.023	3.023	3.023	
80	4.038	4.037	4.038	
100	5.049		5.049	

TECHNICIAN: GSP
TEST
26

FULL SCALE OUTPUT : 5.084 V (LIMIT: 5 ± 0.1 VDC)
 LINEARITY: 0.074 %FSO
 HYSTERESIS: 0.079 %FSO
 REPEATABILITY: 0.079 %FSO
 (ACCURACY) COMBINED NL.H.R. 0.134 %FSO (LIMIT: $\leq \pm 1.0$ % FSO)

3.3 THERMAL EFFECTS

TEMPERATURE -65° F

PRESSURE % F.S	OUTPUT (VDC)	DELTA ZERO & FSO	LIMIT
0	-0.054	-0.019	$\pm .137$ VDC
100	5.038		FROM 3.2 ZERO AND
FSO	5.092	0.008	FULL SCALE OUTPUT

TECHNICIAN: GSP
TEST
26

TEMPERATURE $+165^{\circ}$ F

PRESSURE % F.S	OUTPUT (VDC)	DELTA ZERO & FSO	LIMIT
0	N/A	0.035	$\pm .093$ VDC
100	N/A		FROM 3.2 ZERO AND
FSO	0.000	-5.084	FULL SCALE OUTPUT

FALSE

Q.A: _____

ACCEPTANCE TEST DATA

MODEL: IBA103G-93
RANGE: 0 - 5000G
S/N: 91-1110

C/N: _____
TECHNICIAN: [REDACTED]
DATE: 9/30/2015

3.1 INSULATION RESISTANCE: > 500 Megohms (LIMIT : ≥ 100 MEGOHMS)

3.2 ACCURACY: _____ EXCITATION VOLTAGE $28.0 \pm .02$ VDC

TEMPERATURE 72° F

PRESSURE % FULLSCALE	OUTPUT, V			LIMITS
	ASC	DEC	ASC	
0	0.843	0.845	0.845	0 + 0.1 VDC
20	1.859	1.863	1.861	FALSE
40	2.872	2.877	2.874	
60	3.885	3.889	3.886	
80	4.894	4.897	4.895	
100	5.901		5.902	

TECHNICIAN: _____



FULL SCALE OUTPUT : 5.058 V (LIMIT: 5 ± 0.1 VDC)

LINEARITY: 0.059 %FSO

HYSTERESIS: 0.059 %FSO

REPEATABILITY: 0.020 %FSO

(ACCURACY) COMBINED NL.H.R. 0.086 %FSO (LIMIT: $\leq \pm 1.0$ % FSO)

3.3 THERMAL EFFECTS

TEMPERATURE -65° F

PRESSURE % F.S	OUTPUT (VDC)	DELTA ZERO & FSO	LIMIT
0	0.884	0.041	$\pm .137$ VDC FROM 3.2 ZERO AND FULL SCALE OUTPUT
100	5.928		
FSO	5.044	-0.014	

TECHNICIAN: _____



TEMPERATURE $+165^{\circ}$ F

PRESSURE % F.S	OUTPUT (VDC)	DELTA ZERO & FSO	LIMIT
0	N/A	-0.843	$\pm .093$ VDC FROM 3.2 ZERO AND FULL SCALE OUTPUT
100	N/A		
FSO	0.000	-5.058	

FALSE

FALSE

Q.A: _____