

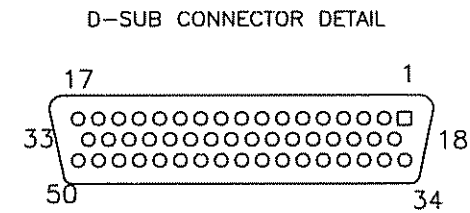
NOTES: UNLESS OTHERWISE SPECIFIED.

1) WIRE RECOMMENDATION: 22 GA. (MIN) SHIELDED CABLE MAX 1200 FT
REFER TO THE FOLLOWING CHART FOR ALTERNATIVE WIRE GA. INFORMATION

WIRE GA	MAX LENGTH
22	1200 ft
20	2000 ft
18	3200 ft
16	4900 ft

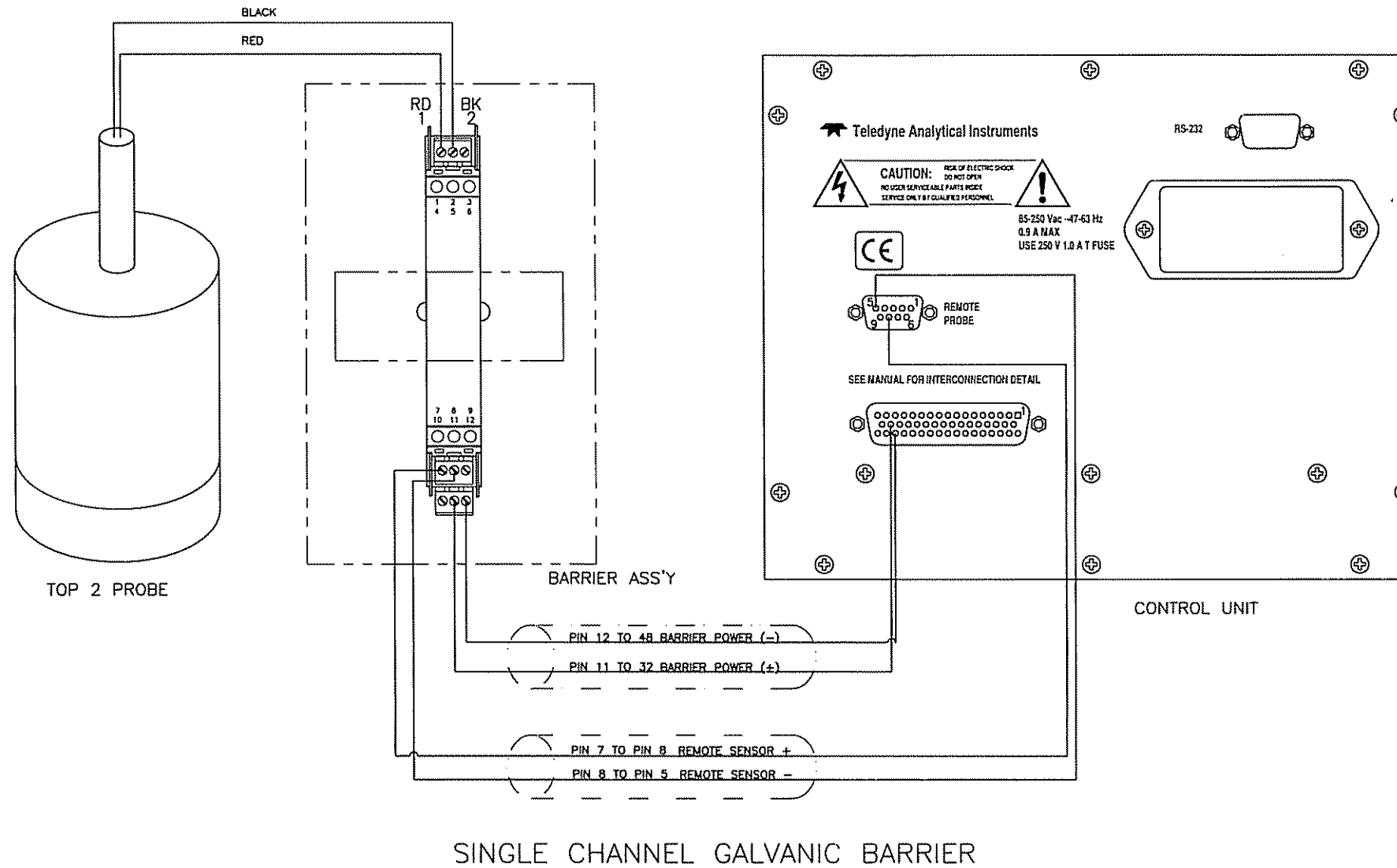
REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
0	INI REL ECO 02-0221	8/12/02	AR	---

BASEEFA Certified Product
No modification permitted
without the approval of the
Authorized Person



D-SUB CONNECTOR'S DESCRIPTION

PIN No	DESCRIPTION
1	
2	
3	+ RANGE ID 4-20 mA
4	- RANGE ID 4-20 mA
5	+ OUTPUT 4-20 mA
6	- OUTPUT 4-20 mA
7	- OUTPUT 0-1 V
8	+ RANGE ID 0-1 V
9	
10	
11	
12	
13	NETWORK +
14	REMOTE THERMISTOR
15	ZERO SOLENOID RETURN
16	SPAN SOLENOID RETURN
17	SPAN SOLENOID HOT
18	RANGE 3 CONTACT
19	RANGE 3 CONTACT
20	ALARM 3 C CONTACT
21	RANGE 1 CONTACT
22	RANGE 2 CONTACT
23	- RANGE ID 0-1 V
24	+ OUTPUT 0-1 V
25	
26	
27	
28	ALARM 1 C CONTACT
29	NETWORK -
30	REMOTE SENSOR +
31	REMOTE THERMISTOR
32	BARRIER POWER +
33	SAMPLE SOLENOID HOT
34	RANGE 4 CONTACT
35	RANGE 4 CONTACT
36	ALARM 3 NC CONTACT
37	ALARM 3 NO CONTACT
38	RANGE 1 CONTACT
39	RANGE 2 CONTACT
40	CALIBRATION CONTACT
41	CALIBRATION CONTACT
42	ALARM 2 NC CONTACT
43	ALARM 2 NO CONTACT
44	ALARM 2 C CONTACT
45	ALARM 1 NC CONTACT
46	ALARM 1 NO CONTACT
47	REMOTE SENSOR -
48	BARRIER POWER -
49	ZERO SOLENOID HOT
50	SAMPLE SOLENOID RETURN



SINGLE CHANNEL GALVANIC BARRIER

INTERCONNECTION VS. PIN NO OF 50 PINS D-SUB

DESCRIPTION	ANALOG OUTPUTS				DIGITAL INPUTS				NETWORK																		
	CURRENT 4-20mA		VOLTAGE 0-1V		REMOTE SPAN		REMOTE ZERO																				
	% RANGE	RANGE ID	% RANGE	RANGE ID	+	-	+	-	+	-																	
PIN NO.	5	6	3	4	24	7	8	23	9	11	10	12	13	29													
DESCRIPTION	RELAY OUTPUTS																										
	THRESHOLD ALARM 1	THRESHOLD ALARM 2	SYSTEM ALARM	CAL CONTACT	RANGE 1 ID CONTACT	RANGE 2 ID CONTACT	RANGE 3 ID CONTACT	RANGE 4 ID CONTACT																			
PIN NO.	NC	NO	NC	NO	NC	NO	NC	NO	45	28	46	42	44	43	36	20	37	40	41	21	38	22	39	19	18	34	35
DESCRIPTION	REMOTE SOLENOID																										
	ZERO	SAMPLE	SPAN	BARRIER POWER																							
PIN NO.	49	15	33	50	17	16	32	48																			

REMOTE PROBE INTERCONNECTION

REMOTE PROBE 9 PIN D-SUB				
PIN NO	8	5	6	1
ID	+	-	-	+
	SENSOR	THERMISTOR		

ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIAL			
DO NOT SCALE DWG			
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TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°		TELEDYNE INSTRUMENTS	
LINEAR .XX = ±.1 .XXX = ±.010		Analytical Instruments A Teledyne Technologies Company CITY OF INDUSTRY, CALIFORNIA 91748	
SIGNATURES	DATE	TITLE	SCALE
N/	8/6/02	INTERCONNECTION DIAGRAM	NONE
I/		MODEL 3010PAC	SAM D-6B191
O/ 074825		W/ GALVANIC BARRIER	SHEET 1 OF 1
P/			
F/			
REFERENCE	CAD ID 074978-0	DWG NO. D-74979	REV 0