

NOTES: UNLESS OTHERWISE SPECIFIED.

1. SEE SHEET 2 FOR PORTABLE UNIT ASSEMBLY

2 WIRE CONNECTOR PER B75117, PLUG CONNECTOR INTO J4 ON MAIN PCB
USE BLUE LOCTITE

INSTALL SENSOR & PLUG CABLE INTO J1 ON MAIN PCB

NOTE, THE KNOB IS INCLUDED WITH SWITCH

BREAK OFF THE MAIN PCB AND INSTALL PCB TAB & O-RING AS INDICATED WITH SENSOR FACING DOWN

INSTALL BEZELS WITH TWO TINY DROPS OF E100 PRIOR TO ATTACHING THE PCB

THIS O-RING IS INCLUDED WITH THE SENSOR

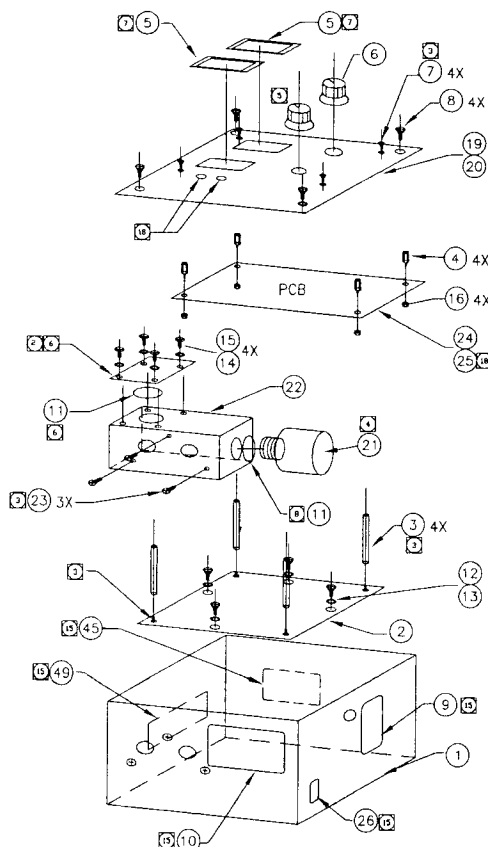
PLUG BATTERY CONNECTOR INTO J2 ON MAIN PCB.

ASSEMBLY WITH TEFLON TAPE

HELIUM ONLY ANALYZERS (C75030B, or D)

INSTALL THE 4 SET SCREWS WITH 0.25" PROTRUDING ABOVE THE SURFACE

WALLMOUNT UNIT SHOWN C75030A / C75030B



C75030A MCWHE02 WALL MOUNT He/O2 ANALYZER

C75030B MCWHE WALL MOUNT He ANALYZER

C75030C MCPHE02 PORTABLE He/O2 ANALYZER

C75030D MCPHE02 PORTABLE He ANALYZER

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV BY
3	SEE SHEET 1			KFP

52	2	2	-	-	CP2260	NIPPLE 1/8 NPT X 3/16
51	0	0	1	1	B75610	TAI LOGO TAG
50	0	0	2	2	----	4-40 X 1/8" PAN HD
49	1	1	1	1	B75602	TAG HE/O2 CHART
48	0	0	4	4	----	4-40 X 0.5" SS SET SCREW
47	0	0	0	1	B75028C	PORTABLE HE ONLY PCB CAL
46	0	0	1	0	B75028A	HE/O2 PORTABLE PCB CAL
45	1	1	1	1	----	S/N TAG
44	1	1	1	1	P1244	TRIM POT TOOL
43	0	0	2	2	F1708	#4 SS CAPTIVE SCREW
42	0	0	4	4	----	#4-40 SS CAPS NUTS
41	0	0	4	4	----	#4 NYLON WASHER
40	0	0	1	1	B75401	LOW PRESSURE POWER HOSE SAMPLING ADAPTER
39	0	0	2	2	CP2260	NIPPLE 1/8 NPT X 3/16
38	0	0	0	1	T1352	5FT OF 3/16" TUBING
37	0	0	1	1	L328	LIGHT PIPE
36	0	0	0	1	B77345	TAG HE OPERATION NOTES
35	0	0	1	0	B75370	TAG OPERATION NOTES
34	0	0	1	1	B75366	SCREENED BATTERY COVER
33	0	0	0	0	B90	BATTERY C SIZE
32	0	0	1	1	C74690A	SENSOR BLOCK PVC
31	0	0	1	1	CP1311	CONNECTOR 3 PIN
30	0	0	1	1	B642	BATTERY HOLDER 4 C WITH LEADS
29	0	0	1	0	C74692C	PANEL HE PORTABLE
28	0	0	1	0	C74692B	PANEL HE/O2 PORTABLE
27	0	0	1	1	F739	ENCLOSURE PORTABLE YELLOW
26	1	1	1	1	B77345	TAG HE ONLY PORTABLE
25	0	1	0	0	A65849	TAG, CE MARK
24	1	0	0	0	B75028D	PCB ASSY HE ONLY, WALL-MOUNT
23	3	3	0	0	B75028B	PCB ASSY HE/O2 WALL-MOUNT
22	1	1	0	0	----	#6-32 X 1/4" FLT HD
21	0	1	0	0	C74690H	SENSOR BLOCK
20	0	1	0	0	B75386	O2 SENSOR PLUG
19	1	0	0	0	C74692D	SCREENED PANEL HE ONLY VERSION
18	4	4	6	6	C74692A	SCREENED PANEL HE / O2 VERSION
17	1	1	1	1	CP1314	MOLEX PINS
16	4	4	4	4	CP1313	CONNECTOR 4 PIN MOLEX
15	4	4	4	4	----	#4-40 KEPS NUT
14	4	4	4	4	----	#6 LOCK WASHER
13	4	4	0	0	----	6-32 X 1/4" PAN HD
12	4	4	0	0	----	SCREW, M4 X 6 MM PAN HD
11	1	2	1	2	026	WASHER, LOCK #8
10	1	1	0	0	O26	O-RING T/C SENSOR
9	1	1	0	0	B75367B	TAG, SAMPLE INLET
8	4	4	0	0	B75367A	TAG, POWER INLET
7	4	4	4	4	----	SCREW, FLT-HD 6-32 X 3/8 SS
6	1	0	1	0	----	SCREW, FLT-HD 4-40 X 1/4" SS
5	2	1	2	1	K124	KNOB, 1/4" SHAFT
4	4	4	4	4	B628	BEZEL, DPM METER
3	4	4	0	0	S1269	STAND-OFF, M/F 0.438 HEX
2	1	1	0	0	S1341	STAND-OFF, 6-32 X 2" HEX AL
1	1	1	0	0	B74693	MOUNTING PLATE, WALL-MOUNT UNIT
ITEM	A	B	C	D	PART #	DESCRIPTION

DO NOT SCALE DWG

TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°

LINEAR .XX = ±.1
.XXX = ±.02
XXXX = ±.010

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Teledyne Analytical Instruments

A business unit Teledyne Electronic Technologies

CITY OF INDUSTRY, CALIFORNIA 91748

S/	SIGNATURES	DATE	TITLE	SCALE
I/	DRFT: K F P	12/06/02	FINAL ASSEMBLY	NONE
N/	CHK:		MIXCHEK	SIM
P/	APPR:		HELIUM/OXYGEN ANALYZER	SHEET 2 OF 2
O/	ENGR: KARL PENSION			
F/	C.O.:			
REFERENCE	CAD ID: C75030-2			

MATL. NOTED

DWG NO.

C-75030

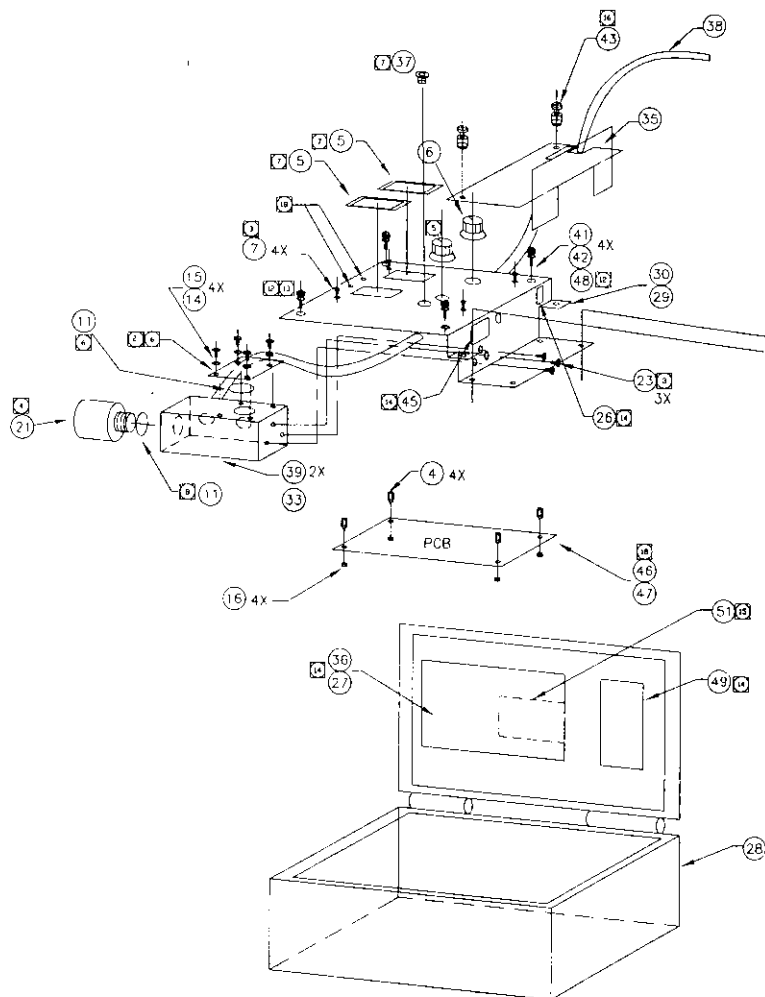
REV

3

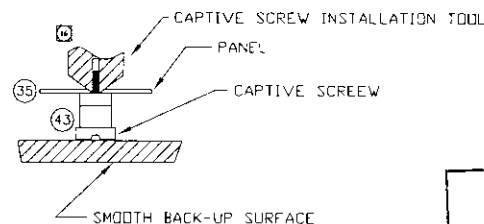
53	-	-	-	REF	C75030CD-RS	ROUTE SHEET
ITEM	A	B	C	D	PART #	DESCRIPTION

NOTES: UNLESS OTHERWISE SPECIFIED.

PORTABLE UNIT SHOWN C75030C / C75030D



- Ⓢ CAUTION DO NOT OVER TIGHTEN CAP NUTS
- Ⓢ INSTALL TAGS AS SHOWN ON THE INSIDE OF THE ENCLOSURE
- Ⓢ INSTALL TAGS AS SHOWN ON THE OUTSIDE OF THE ENCLOSURE
- Ⓢ SWAGE THE CAPTIVE PANEL SCREWS AS SHOWN WITH THE INSTALLATION TOOL
- Ⓢ KIT PARTS AND SHIP WITH ANALYZER
- Ⓢ INSTALL THE HELIUM SPAN AND ZERO TRIM POTS ON THE FRONT PANEL. THE 5K TRIM POT FROM R16 ON THE PCB IS THE SPAN POT. THE 10K TRIM POT FROM R18 ON THE PCB IS THE ZERO POT. REFER TO SHEET OF B-75028
- Ⓢ USE PN C74069-R3301 SENSOR R3301 TYPE



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IN ECO PROCESS

ECO No.

ECO DATE

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TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°		Teledyne Analytical Instruments	
LINEAR $\begin{matrix} \text{XXX} & = & \pm 1 \\ \text{XX} & = & \pm 0.2 \\ \text{X} & = & \pm 0.10 \end{matrix}$		A business unit Teledyne Electronic Technologies	
		CITY OF INDUSTRY, CALIFORNIA 91748	
S/	SIGNATURES	DATE	TITLE
I/	DRFT: K F P	12/06/02	FINAL ASSEMBLY MIXCHEK HELIUM/OXYGEN ANALYZER
N/	CHK:		
P/	APPR:		
O/	ENGR: KARL PENSION		
F/	C.O.:		
REFERENCE	CAD ID C75030-3	MAT:	NOTED
		DWG NO.	REV
		C-75030	3