

NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR PORTABLE UNIT ASSEMBLY

2. WIRE CONNECTOR PER B75117. PLUG CONNECTOR INTO J4 ON MAIN PCB

3. USE BLUE LOCTITE

4. INSTALL SENSOR & PLUG CABLE INTO J1 ON MAIN PCB

5. NOTE, THE KNOB IS INCLUDED WITH SWITCH

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

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

8. THIS O-RING IS INCLUDED WITH THE SENSOR

9. PLUG BATTERY CONNECTOR INTO J2 ON MAIN PCB

10. ASSEMBLY WITH TEFLON TAPE

11. HELIUM ONLY ANALYZERS (C75030B, or D)

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

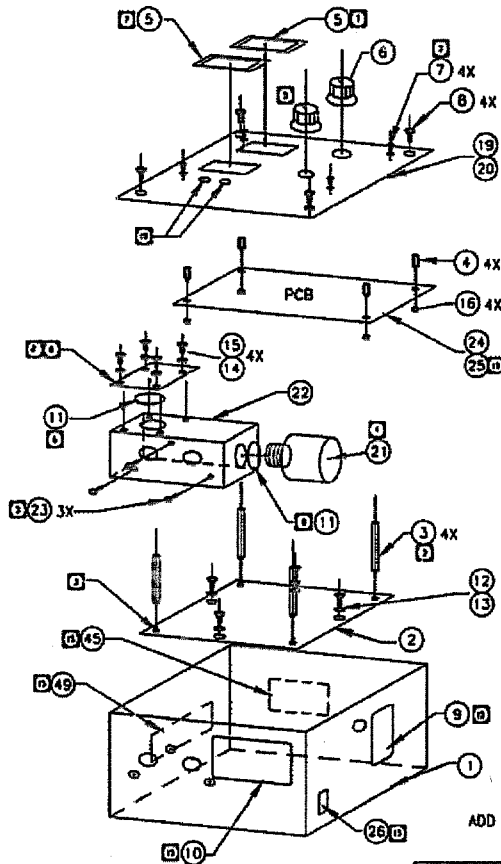
C75030A MCWHE02 WALL MOUNT HE/O2 ANALYZER

C75030B MCWHE WALL MOUNT HE ANALYZER

C75030C MCPHE02 PORTABLE HE/O2 ANALYZER

C75030D MCPHE02 PORTABLE HE ANALYZER

WALLMOUNT UNIT SHOWN C75030A / C75030B



ADD MANUAL AND QUICK START TO BOM OF DWG

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

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV.
4	SEE SHEET 1			---

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	B77839C	PORTABLE HE ONLY PCB CAL
46	0	0	1	0	R75028A	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	F170R	#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	SET OF 3/16" TUBING
37	0	0	1	1	B643	BEZEL LED
36	0	0	0	1	B27345	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	0	1	C74692C	PANEL HE PORTABLE
28	0	0	1	1	C74692B	PANEL HE/O2 PORTABLE
27	0	0	1	1	E739	ENCLOSURE PORTABLE YELLOW
26	1	1	1	1	A65849	TAG CF MARK
25	0	1	0	0	B77839D	PCB ASSY HE ONLY WALL-MOUNT
24	1	0	0	0	B75028B	PCB ASSY HE/O2 WALL-MOUNT
23	3	3	0	0	----	#6-32 X 1/4" FLT HD
22	1	1	0	0	C74690B	SENSOR BLOCK
21	0	1	0	1	B75386	O2 SENSOR PLUG
20	0	1	0	0	C74692D	SCREENED PANEL HE ONLY VERSION
19	1	0	0	0	C74692A	SCREENED PANEL HE / O2 VERSION
18	4	4	6	6	CP1314	MOLEX PINS
17	1	1	1	1	CP1313	CONNECTOR 4 PIN MOLEX
16	4	4	4	4	----	#4-40 KEPS NUT
15	4	4	4	4	----	#6 LOCK WASHER
14	4	4	4	4	----	6-32 X 1/4" PAN HD
13	4	4	0	0	----	SCREW M4 X 6 MM PAN HD
12	4	4	0	0	----	WASHER LOCK #8
11	1	2	1	2	O26	O-RING I/C SENSOR
10	1	1	0	0	B75367B	TAG SAMPLE INLET
9	1	1	0	0	B75367A	TAG POWER INLET
8	4	4	0	0	----	SCREW FLT-HD 6-32 X 3/8 SS
7	4	4	4	4	----	SCREW FLT-HD 4-40 X 1/4" SS
6	1	0	1	0	K124	KNOB 1/4" SHAFT
5	2	1	2	1	B62R	BEZEL DPM METER
4	4	4	4	4	S1269	STAND-OFF M/F 0.438 HEX
3	4	4	0	0	S1341	STAND-OFF 6-32 X 2" HEX AL
2	1	1	0	0	B74693	MOUNTING PLATE WALL-MOUNT UNIT
1	1	1	0	0	B75114	ENCLOSURE GRAY
ITEM	A	B	C	D	PART #	DESCRIPTION

DO NOT SCALE DWG

TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR ±1/2°

 LINEAR
 .125 - 1.00 ±.005
 1.00 - 2.00 ±.010
 2.00 - 5.00 ±.015

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Teledyne Analytical Instruments

A business unit of Teledyne Electronic Technologies

c/o of Teledyne, 20000 11th St.

S/	SIGNATURES	DATE	TITLE
I/	DR: K F P	12/06/02	
N/	CHK:		
P/	APP:		
D/	DRG: KARL PENSON		
F/	C.O:		
REFERENCE	CAD ID: C75030-2		

 FINAL ASSEMBLY
 MIXCHEK
 HELIUM/OXYGEN ANALYZER

SCALE NONE

SV

SHEET 2 OF 2

NOTED

DWG NO.

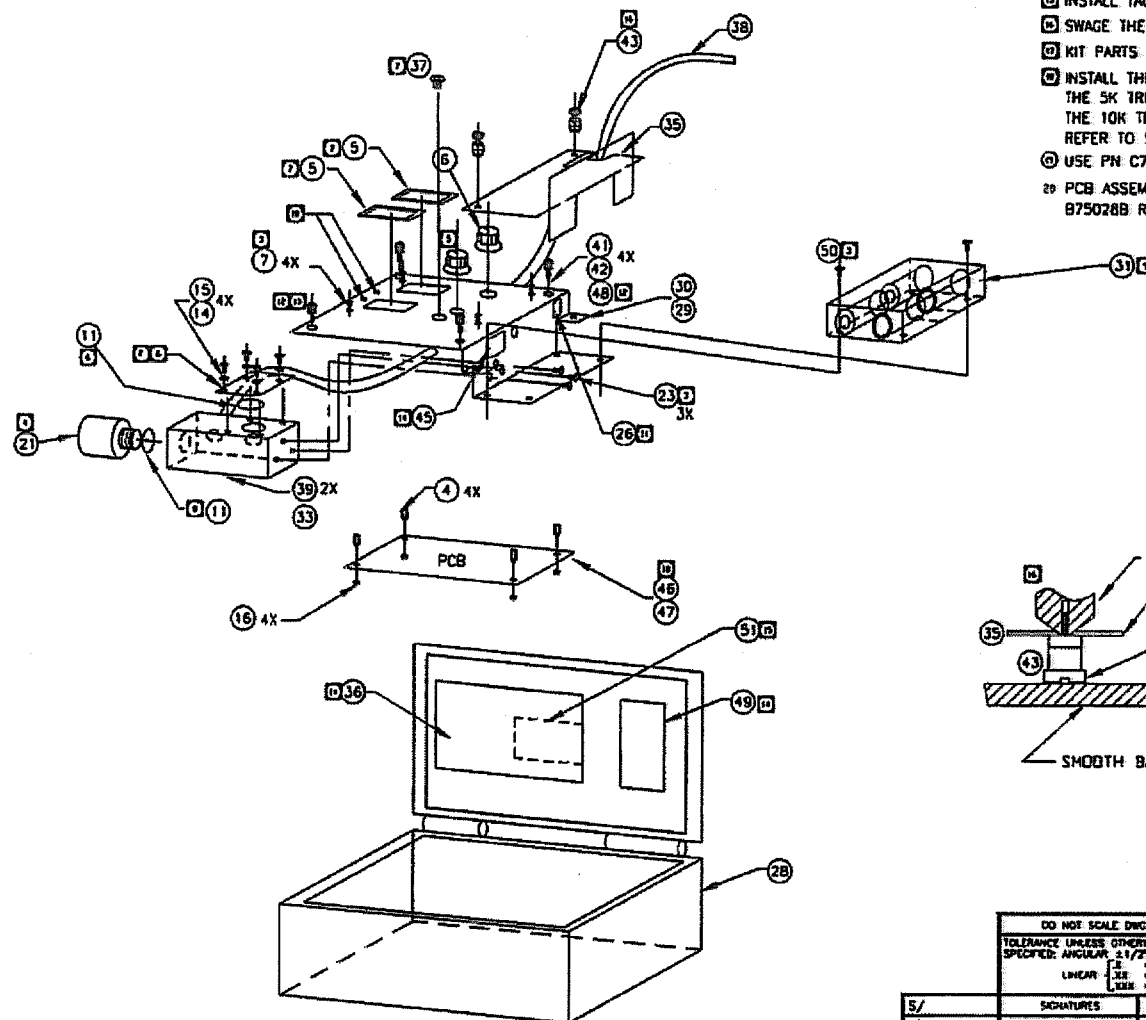
C-75030

REV

5

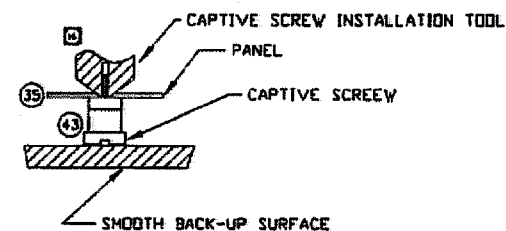
NOTES: UNLESS OTHERWISE SPECIFIED

PORTABLE UNIT SHOWN C75030C / C75030D



REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV.
4	INC. ECO 05-0017	04/27/03	KFP	VF
5	INC. ECO 05-0167	08/15/03	KFP	MM

- 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
- PCB ASSEMBLY B77839B AND B77839D CAN BE USED IN PLACED OF
B75028B REV2 AND B75028D REV 2 RESPECTIVELY



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TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR 1/16"		Teledyne Analytical Instruments	
LINEAR .010"		A business unit Teledyne Electronic Technologies	
DATE: 12/06/02		CITY OF HOUSTON, TEXAS 77042	
S/	SIGNATURE	DATE	TITLE
1/	DRP: K F P	12/06/02	SCALE: NONE
2/	CHK:		SAI
3/	APP:		SHEET: 1 OF 2
4/	ENG: KARL PEKSON		
5/	C.O.:		
REFERENCE	CAN ID: C75030-3	NOTED	DWG NO: C-75030
			REV: 5