E. APPENDIX E –

SCHEMATICS

Schematics provided on the following pages include:

- Monitor Stand Assembly
- Stand Drawing (2 pgs.)
- Block Diagram MCA
- Well Counter Drawing
THYROID UPTAKE STAND ASSY

187-600-602 LABEL, COLLIMATOR ROTATION LOCK (2 RED D)
187-600-603 LABEL, EXTENSION COLUMN (1 RED D)

ADJUST GAS SPRING PRESSURE UNTIL IT TAKE BETWEEN
APPROX. 6-8 LBS TO MOVE COLLIMATOR UP AND DOWN

C13734 CLAMP, WIRE HARNESS, .38 O.D. CABLE, #10 WIRE, NYLON, NATURAL (1 RED D)

C13858 CLAMP, LOCK, #16-20, ELASTIC, 1/8-IP (1 REV'D)
FOR ASSY 187-600-601, 187-601-400 QTY IS 1X
NOT REV'D FOR ASSY 187-600-600, 187-601 A000

C08103 CAP, 2.0X3.0X40 HTG WALL, LIP, BLACK (1 REV'D)

187-600-4082 LAPTOP LOCK CABLE ASSY (1 REV'D)
FOR ASSY 187-600-601, 187-601-400 QTY IS 1X
NOT REV'D FOR ASSY 187-600-600, 187-601 A000

187-600-4038 FIXTURE (1) (18" X 12")

C13706 CAP, ROUND, .240X.056X.040, BLK (5 REV'D)

157-600 W120 VACUMET, TOP SHELF BOX (1 REV'D)

C1220 LABEL, SERIAL NUMBER, 11 REV'D)

C0066 LABEL, TYPE B EQUIPMENT (1 RED D)

C066-600-608 LABEL, MADE IN THE USA (1 RED D)
C066-600-601 LABEL, LEAD WARNING (FACT REV'D)

NOTES:
1. THIS DRAWING IS FOR THE FOLLOWING ASSY:
   #187-600-601, UPTAKE SYSTEM 120V ASSY
   #187-601-400, UPTAKE SYSTEM 230V ASSY
   #187-600-601, UPTAKE SYSTEM W/ LAPTOP 120V ASSY
   #187-601-400, UPTAKE SYSTEM W/ LAPTOP 230V ASSY
2. ALL SURFACES THAT HAVE LABEL APPLIED TO THEM, NEED TO BE CLEAN WITH ALCOHOL PRIOR TO APPLYING LABEL.

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<td>187-600</td>
<td>120 VAC</td>
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<td>187-601</td>
<td>230 VAC</td>
<td>1.0 A</td>
<td>50 Hz</td>
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UPTAKE FINAL ASSY
COLLIMATOR CARCASS

INSTALL WITH SAND BlED SURFACE
TOWARDS ITEM #4 ARM

INSTALL ITEM #15, SLEEVE BEARING, FLUSH
OR JUST BELOW INDICATED SURFACE OF ITEM
#2 ARM. ITEM #15 NOT TO PROTRUDE FROM
SURFACE ON BACK SIDE OF ARM.

TIGHTEN UNTIL ITEM #13 BELLEVILLE
WASHERS ARE COMPRESSED 50%
MINIMUM BUT NOT SOLID

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ITEM NO.  QTY  PART NUMBER  DESCRIPTION
EXTENSION COLUMN ASSY

187-600-M341 BAR, TRACK (1 REQ'D)
1. C13725 SINGLE EDGE TRACK WHOLE, #2 (2 REQ'D)
2. C13662 SCR, B/N S.O.C. HD., 1-240UNCX30LG, SST (12 REQ'D)
3. C13724 SUPPORT BUSHING, ECCENTRIC, #2 SEE NOTE #1 (2 REQ'D)
4. C13723 SUPPORT BUSHING, CONCENTRIC, #2 (2 REQ'D)
5. 187-600-M405 MACHINING, COLUMN EXTENSION (1 REQ'D)
6. C13722 WHEEL, DUAL VEE, #2 (4 REQ'D)
7. C13788 SCR, HEX HD., 1/4-20 X 1.25 LG., GRADE 8, ZPS (4 REQ'D)
8. C13789 SCR, SET, CONE POINT, 6-32UNCX25LG, SST (2 REQ'D)
9. C11832 PIN, Dowel, Ø 25X1.26LG, SST (1 REQ'D)
10. C38047 WASHER, LOCK, SPLİT, 1/4, 7PS (4 REQ'D)
11. 187-600-M348 CAP, EXTENSION COLUMN (1 REQ'D)
12. C13785 SCR, HEX HD. TYPE 23, 1/4-20X1.30LG, M-MAST, ZPS (4 REQ'D)

NOTES:
1. WHEN ADJUSTING ROLLER, SET BOTH ROLLERS SO THAT IT JUST TOUCHES TRACK. THEN ADJUST THE FIRST ROLLER SO THAT IT TAKES 1.5-2 LBS OF FORCE TO MOVE TRACK. THEN ADJUST THE SECOND ROLLER SO THAT IT TAKES 3-4 LBS TO MOVE TRACK.

ADJUST THIS ROLLER FIRST
SEE NOTE #1

ADJUST THIS ROLLER SECOND
SEE NOTE #1

C11730 GREASE, SUPER LUBE A/R
5. C13907 SPRING, COMP., WIRE Ø.035, .36 ODX1.25LG, NW (1 REQ'D)

1. 187-600-M401 MACHINED, RIGHT MAIN COLUMN EXTRUSION (1 REQ'D)

4. 187-600-M342 BAR, LOCK (1 REQ'D)

2. 187-600-M420 LONG, RUBBER LIP EXTRUSION (2 REQ'D)

11. C13737 PIN, DOWEL, HARDENED

7. C10394 SCR. SDC FLAT HD., N4-20UNX5/8L, SST (4 REQ'D)

10. 1.87X1.50LG. ALLOY STL. (1 REQ'D)

6. 187-600-M357 PLATE, BRIDGE (2 REQ'D)

C11730 GREASE, SUPER LUBE (A/R)

3. 187-600-M400 MACHINED, LEFT MAIN COLUMN EXTRUSION (1 REQ'D)

NOTE: GLUE ITEM '2' TO ITEM '1 & 3' BY INSERTING GLUE IN GROOVE FOR ITEM '2' AT NOTED BY DIMENSION.

COLUMN ASSY
COLUMNassy187-600-As056-B
MONITOR STAND ASSY
MONITORSTANDASSY187-600-A070-A

Fasten adaptor plate to stand using screws, PHP pan HD, M4x5mm LG STL, BLK-OX supplied with item '1' (Mount, wall monitor stand)

Display monitor ref.

75mm to 100mm adaptor plate supplied with item '1' (Mount, wall monitor stand)

C13070 screw, set, M5-8 x 20mm, CP PT, NYL patch, BLK-OX (4) req'd

C08441 nut, hex, M5X8mmX20mm LG, ZPS (4) req'd

C13034 mount, wall monitor, black (1) req'd

4x screw, PHP pan HD, M4x10mm LG, STL, BLK-OX supplied with monitor stand
Multi Channel Analyzer
Block Diagram