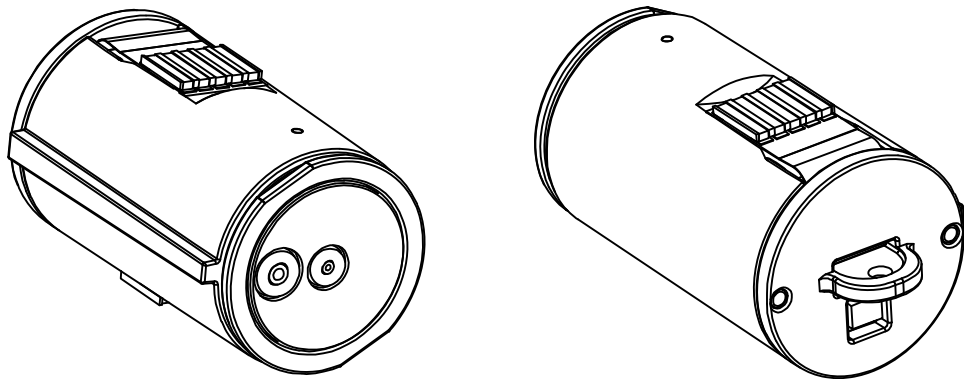


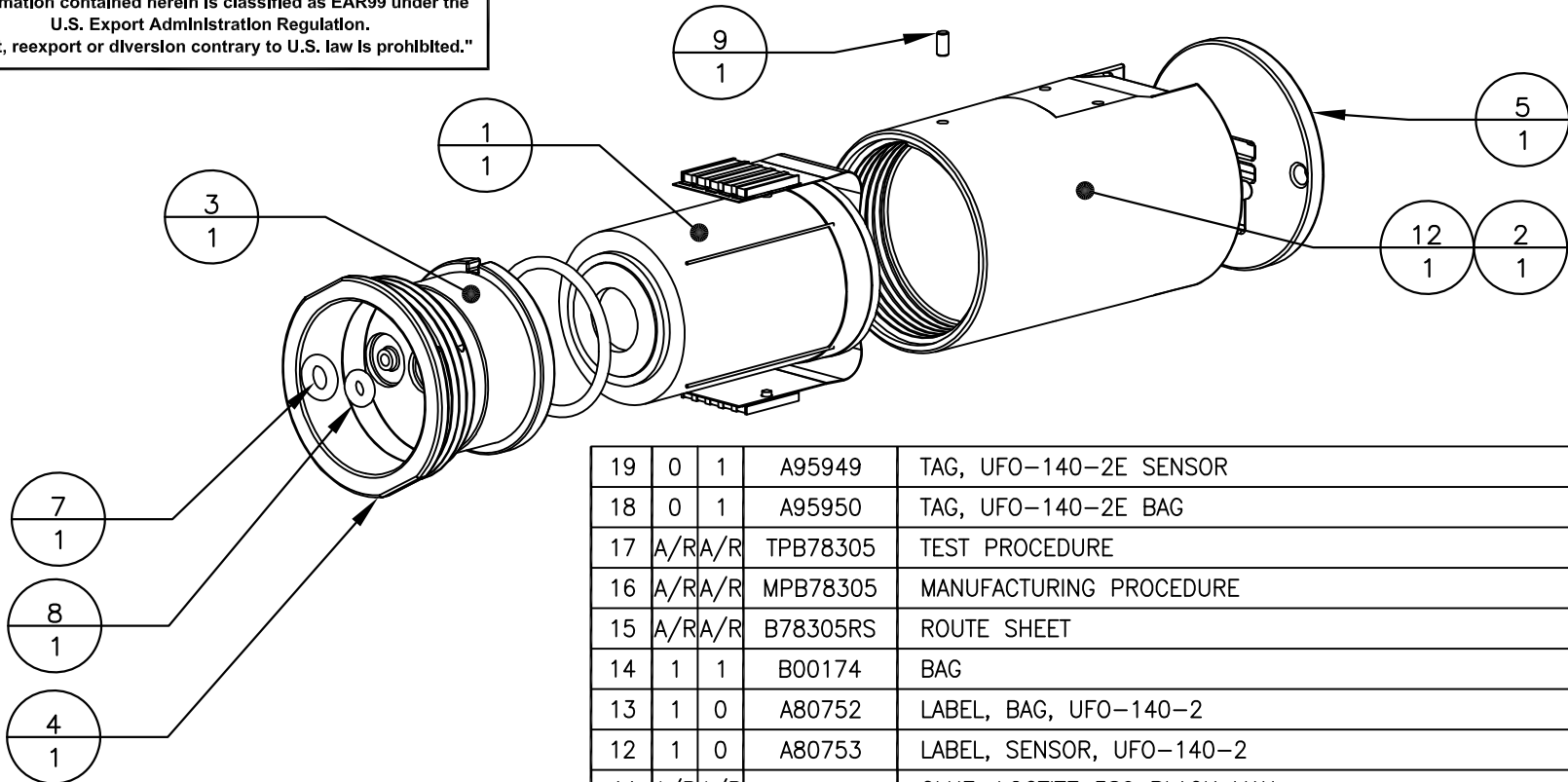
NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 REFER TO MP-B78305 AND TP-B78305.
- 2 INSERT CELL BODY (B78647) INTO SENSOR SLEEVE (B78558).
- 3 APPLY GLUE (ITEM 11) TO SURFACE MOUNT PINS AND INTO SENSOR SLEEVE PIN HOLES. IN ADDITION, APPLY SMALL BEAD OF GLUE TO UNDERSIDE OF FLEX CABLES TO FIX SURFACE MOUNT CONTACT ONTO THE SENSOR SLEEVE. WIPE OFF EXCESS GLUE AND LIGHTLY CLAMP SURFACE MOUNT CONTACTS TO SENSOR SLEEVE FOR 5 MINUTES.
- 4 APPLY GLUE (ITEM 11)TO SENSOR REAR CAP (B78561)AND ONTO BACK SIDE OF SENSOR SLEEVE. PRESS TWO PARTS TOGETHER FOR 5 MINUTES. WIPE OFF EXCESS GLUE.
- 5 APPLY SMALL BEAD OF GLUE (ITEM 11) TO SIDES OF DOWEL PIN. PRESS FIT DOWEL PIN INTO SENSOR SLEEVE PIN HOLE TILL FLUSH WITH SENSOR SLEEVE SURFACE. WIPE OFF EXCESS GLUE AND ALLOW TO DRY
- 6 APPLY SMALL BEAD OF SILICON RUBBER TO SIDES OF O-RINGS (O396) AND (O392). FIT O-RINGS INTO PROPER GROOVES ON SENSORCAP (B78559). WIPE OFF EXCESS GLUE AND ALLOW GLUE TO DRY FOR FIVE MINUTES.
- 7 SEAT O-RING (O317) ONTO CELL BODY. INSERT SENSOR CAP INTO SENSOR SLEEVE WHILE LINING UP SLOT WITH PROTRUDING DOWEL PIN. SCREW SENSOR COLLET (B78560)INTO SENSOR SLEEVE UNTIL HAND TIGHT.
- 8 B78305 UFO-140-2 RESPONSE TIME <120MS
B78305B UFO-140-2E RESPONSE TIME <120MS
- 9 TP-B78305. SENSOR OVERSHOOT LIMIT <102%



"Part/Assembly Materials and the Processes used during fabrication must adhere to TAI regulatory Compliance Specification B96144."

Use and Disclosure of Data
"Information contained herein is classified as EAR99 under the U.S. Export Administration Regulation. Export, reexport or diversion contrary to U.S. law is prohibited."



TELEDYNE
ANALYTICAL INSTRUMENTS

05/14/25

DOCUMENT CONTROL
COPY

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
5	INC ECO 24-0049	11/27/24	NL	VF

19	0	1	A95949	TAG, UFO-140-2E SENSOR
18	0	1	A95950	TAG, UFO-140-2E BAG
17	A/RA/R		TPB78305	TEST PROCEDURE
16	A/RA/R		MPB78305	MANUFACTURING PROCEDURE
15	A/RA/R		B78305RS	ROUTE SHEET
14	1	1	B00174	BAG
13	1	0	A80752	LABEL, BAG, UFO-140-2
12	1	0	A80753	LABEL, SENSOR, UFO-140-2
11	A/RA/R		-----	GLUE, LOCTITE 380 BLACK MAX
10	A/RA/R		-----	RUBBER, SILICONE, RTV 100 SERIES (GE)
9	1	1	P01494	PIN, DOWEL, 1/16 DIA X 1/8 LG
8	1	1	000396	O-RING, -004, SILICONE, SHORE 50A
7	1	1	000397	O-RING, -006, SILICONE, SHORE 50A
6	1	1	000317	O-RING, -018, SILICONE, SHORE 50A
5	1	1	B78561	SENSOR REAR CAP, UFO-140-2
4	1	1	B78560	SENSOR COLLET, UFO-140-2
3	1	1	B78559	SENSOR CAP, UFO-140-2
2	1	1	B78558	SENSOR SLEEVE, UFO-140-2
1	1	1	B78647	ASSY, CELL BODY/PCB/FLEX CABLE, UFO-140-2
ITEM	A	B	PART NO.	DESCRIPTION
	QUANTITY			

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGULAR ±1/2° LINEAR .XX = ±.02 .XXX = ±.010			TELEDYNE Analytical Instruments A Business Unit of Teledyne Instruments, Inc. City of Industry, California 91748, USA		
S/	SIGNATURES	DATE	TITLE UFO140-2/UFO140-2E SENSOR FINAL ASSEMBLY	SCALE 1:1	
N/	DRFT: L.KWOCK	01/31/06		SIM N/A	
I/	CHK:			SHEET 1 OF 1	
P/	APPR: L.KWOCK				
O/	ENGR:				
F/	C.O.: STABDARD		MATL. SEE BOM	DWG NO. B-78305	REV 5
REFERENCE	CAD I.D. B78305-5				