

INSTALLATION ENGINEERING DATADate form completed 1/31/69Tentative Valid until 6/15/69Final data

I. INSTRUMENT

- A. Name of instrument: Twin-Stage, On-Line PI Comparator
- B. Manufacturer: _____ STAT
- C. Contract number: Control #02228
- D. Delivery date: Tentative: 10/15/69 Final: _____

II. PHYSICAL FEATURES

- A. Sub-assemblies:
- Number of sub-assemblies: Two (2)
 - Largest sub-assembly: Weight 950 lbs; 48 " H x 48 " W x 34 " D
 - Heaviest sub-assembly: Weight 950 lbs; 48 " H x 48 " W x 34 " D
- B. Assembled instrument:
- Number of major components: Three (3)
 - Largest component: Weight 450 lbs; 29 " H x 48 " W x 34 " D
 - Heaviest component: Weight 450 lbs; 29 " H x 48 " W x 34 " D
 - Total floor space required after assembly, including maintenance access space. 4 Ft. 6 In. High x 9 Ft. 0 In. Wide x 7 Ft. 0 In. Deep.
 - Total weight of assembled instrument: 1200 lbs.
- C. Type of base of mount: Flat _____; 3-point suspension _____; 4-point suspension X
- D. Does the instrument have built-in mobility? Yes X No _____
- E. Is the instrument particularly sensitive to vibration? Yes X No _____
Will the instrument generate vibration? Yes _____ No X
- F. Are any special or unusual tools or fixtures necessary or advisable for the installation of the maintenance of this instrument? Yes _____ No X.
If "Yes," please describe: _____

III. UTILITIES

- A. Electrical:
- Voltage 115 Volts ^{AC} / ±10 Volts ^{DC} / _____
 - Current 5 Amps/phase _____ Amps
 - Frequency 60 cps _____
 - Nr. of phases 1 Ph _____
 - Nr. of wires 2 w/ground _____
 - Power required 575 Watts _____ Watts
 - Power factor N/A (Leading) (Lagging) _____
 - Type of outlet: Two prong _____; three prong X; Twist lock _____; Perm. _____
 - Type of ground: Building conduit X; Direct earth ground _____
 - Should the instrument be shielded, either from external electromagnetic signals or to prevent interference with other equipment? Yes _____ No X
If "Yes," to what extent? _____

B. Air conditioning:*

1. Desired environment: Room air temperature of 70 °F / 0.5 °F and relative humidity of 50 % / 5 %.
2. Input Air: Is a direct connection necessary? Yes No N/A; Adviseable? Yes No ; If "Yes," what is the connector type and size? _____ Recommended input air temperature °F / °F. Relative humidity % / %. If input air must be filtered, what is the maximum particle size in microns? _____ What particle count? _____ / cu. ft.
3. Output Air: Is a direct connection to the return air duct necessary? Yes No N/A. Adviseable? Yes No . Connector type and size? _____ Output air temperature °F / °F. Relative humidity % / %. Output heat BTU/Hr. Flow of CFM. Is output air toxic? Yes No ; Noxious? Yes No .

C. Plumbing: N/A

1. Is water required? Yes No ; Pressure PSIG, flow GPM.
2. Type of water required:
 Tap °F / °F Deionized °F / °F
 Tempered °F / °F Filtered °F / °F
 If filtered, give maximum permissible particle size in microns and the maximum permissible count. _____ microns _____ particles/cu. ft.
3. Pipe required:
 Galvanized _____ Copper _____ Size _____
 Stainless Steel _____ Plastic _____ Type of connector _____
4. Floor drain:
 Diameter of drain _____ Galvanized drain?
 Plastic drain? _____ Glass drain?
5. Are any chemical solutions used in the device? Yes No . If "Yes," state the nature of the solution(s), permissible temperature range, flow rate in appropriate units and the filtration necessary for each solution _____.
6. Size of pipes and connectors _____.

D. Compressed air: N/A

Is compressed air required? Yes No . Water free? Oil Free?
 Type and size of connector? _____. Pressure PSIG. Flow in CFM
 Maximum _____, minimum _____, average _____.

E. Vacuum: N/A

Is vacuum required? Yes No . Pressure PSIA or (inches of water) (millimeters of mercure). Displacement in CFM, maximum _____, minimum _____, average _____. Type and Size of connectors _____.

F. Peripheral Devices: *

Will the instrument be connected to any peripheral devices such as a computer or data input or data output device? Yes No . If "Yes," give, in detail, the nature of the connection to the peripheral device such as coaxial cable, multiple wire connector, etc.

* Refer to Utilities Notes on the following page.

UTILITIES NOTES

Item B

A Class 100 clean room is recommended as a desired environment for the instrument.

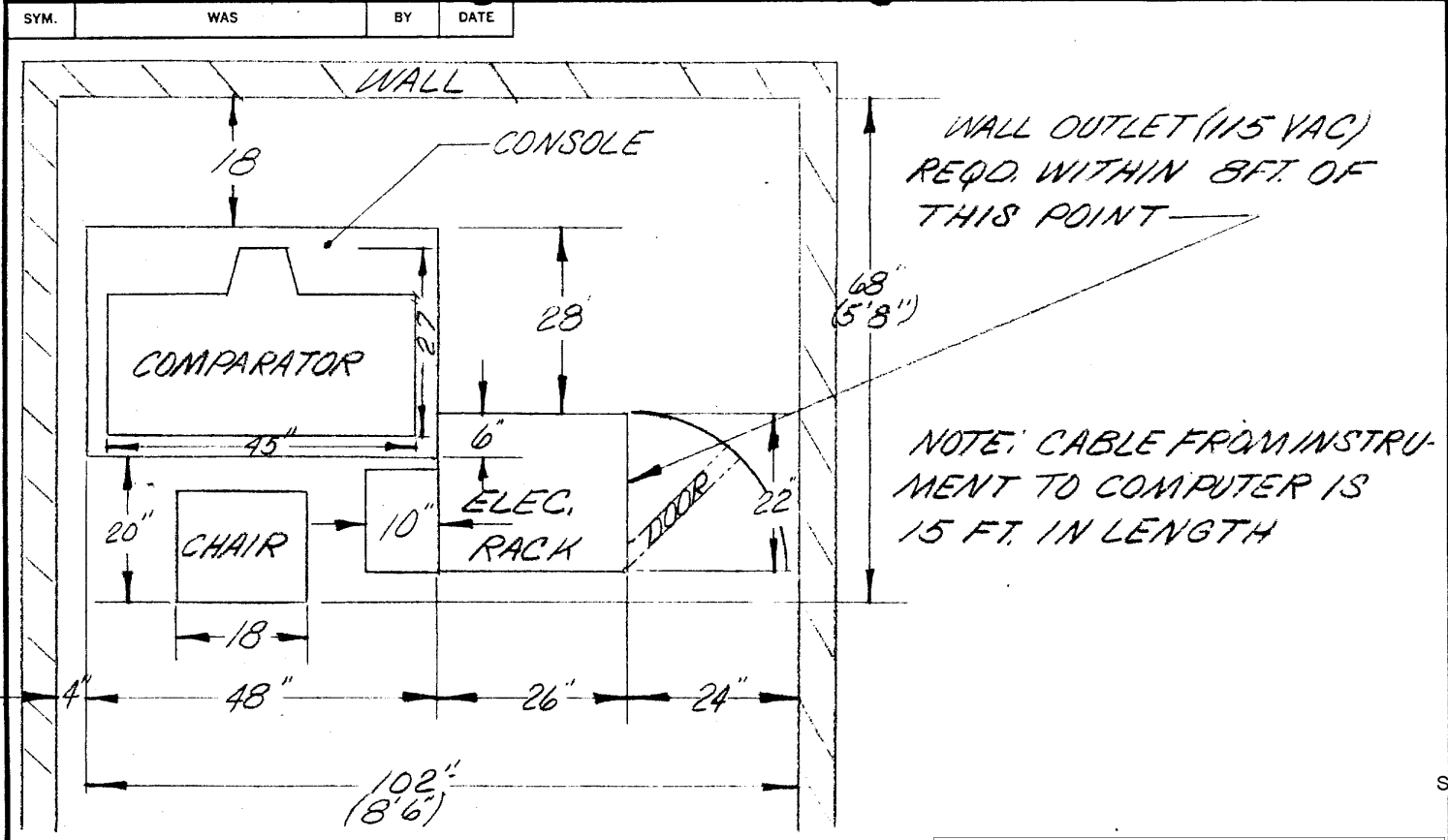
Item F

Instrument on line to central computer. (See customer's specification for description of connections.) Instrument to computer cable will terminate at Amphenol #126-127 plug furnished by customer.

STAT

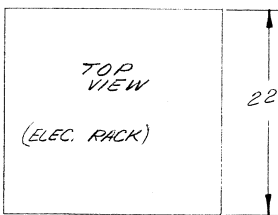
Information provided by

Position
Assistant Manager, Engineering



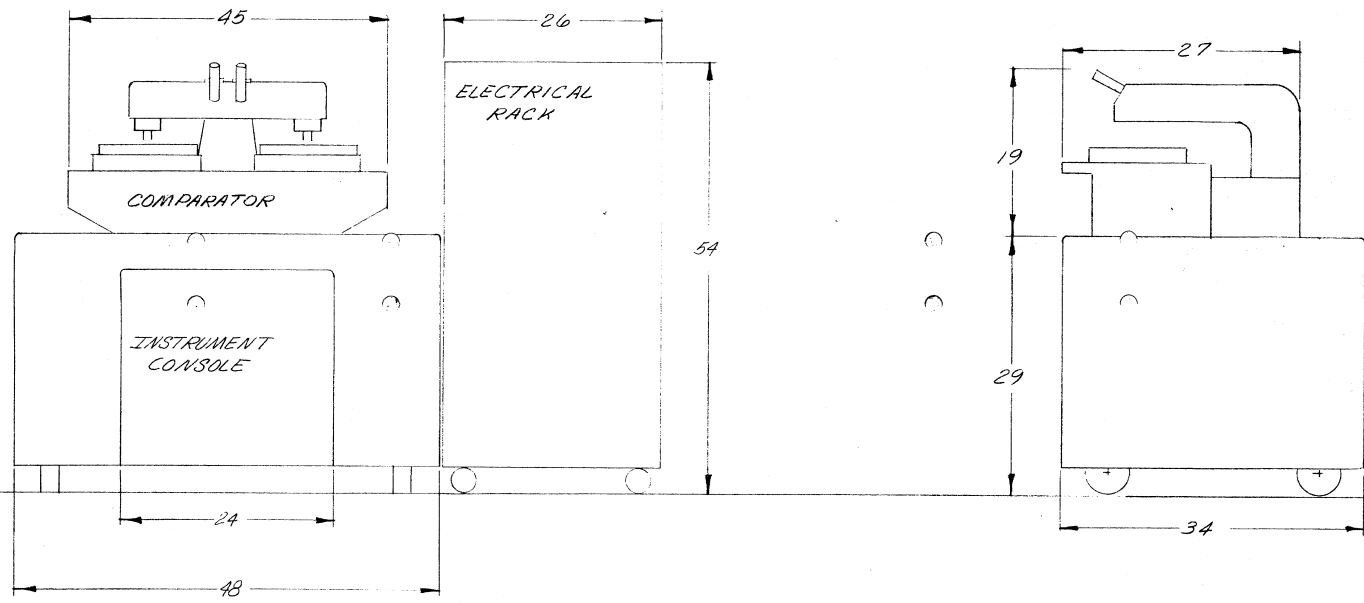
		UNLESS OTHERWISE SPECIFIED		DR. 2-7-69S/WR	
		DIMENSIONS ARE IN INCHES TOLERANCES ON FRAC. ±		CHK. HB	
		DEC. ± ANG. ±		QTY. UNIT	
		MACHINE FINISH		SCALE	
		MATERIAL		NONE	
		FINISH		DO NOT SCALE PRINT	
APPLICATION		QTY.		PATTERN NO.	
		REMOVE ALL BURRS & SHARP EDGES MAX. FLAT .010		TITLE 6X6 STEREO COMPARATOR INSTALLATION DATA (COMPLETED ASSEMBLY)	
				DWG. NO. A-1740-P3	

SYM.	WAS	BY	DATE
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ESTIMATED WEIGHT IN POUNDS	
COMPARATOR	400
INSTR. CONSOLE	450
ELEC. RACK	350

COMPLETED ASSEMBLY = 1200 POUNDS



UNLESS OTHERWISE SPECIFIED		DR. 2-7-69 SAR
DIMENSIONS ARE IN INCHES		DWG. 115
TOLERANCES ON FRAC. ±		IN
DEC. ±		ANGL. ±
MACHINE FINISH		DI
MATERIAL		DI
FINISH		SCALE 1/8" = 1"
REMOVE ALL BURRS & SHARP EDGES MAX. FLAT .001		DO NOT SCALE PRINT
APPLICATION	QTY.	PATTERN NO.
		DWG. NO. A-1740-P2

STEREO COMPARATOR
INSTALLATION DATA
MAJOR COMPONENTS