



U.S. Department
of Transportation
**Federal Aviation
Administration**

**NEW YORK AIRCRAFT CERTIFICATION OFFICE
ENGINE AND PROPELLER DIRECTORATE
AIRCRAFT CERTIFICATION SERVICE**

AUG 24 1993

181 South Franklin Avenue, Room 202 (ANE-173)
Valley Stream, New York 11581

Telephone: (516) 791-6427
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Mr. John S. Youngquist
President and Director of Engineering
Insight Instrument Corporation
Box 194, Ellicott Station
Buffalo, NY 14205-0194

Dear Mr. Youngquist:

The data and certification of conformance with the requirements of Subpart O of part 21 of the Federal Aviation Regulations, and of TSO-C43b, for your Models GEM-610 and GEMINI 1200 forwarded with your letter dated June 15, 1993, have been found acceptable. The quality control procedures contained in your Quality Assurance Manual, dated July 1, 1993, are considered adequate in accordance with FAR 21.143, and you are accordingly authorized to identify the aforementioned articles with the applicable TSO-C43b marking, subject to the provisions and restrictions of FAR 21. This authorization is valid only at 2289 Delaware Avenue, Buffalo, New York, 14216 and this office must be notified of any proposed relocation.

The following data pertinent to this authorization, will be kept on file at the New York Aircraft Certification Office of the FAA:

1. Insight Instrument Corp. Application letter of June 15, 1993.
2. Operating Instructions, contained in Pilot's Guide, GEM-610/GEMINI 1200, Document No. 930322, June 10, 1993.
3. Equipment Limitations, contained in Installation Manual, GEM-610/GEMINI, Document No. 930320, June 10, 1993.
4. Installation Procedures and Limitations, contained in Installation Manual, GEM-610/GEMINI 1200, Document No. 930320, June 10, 1993.
5. Schematic Drawings Applicable to the Installation Procedures, contained in Installation Manual, GEM-610/GEMINI 1200, Document No. 930320, June 10, 1993.
6. Wiring Diagrams as Applicable to the Installation Procedures, contained in Installation Manual, GEM-610/GEMINI 1200, Document No. 930320, June 10, 1993.
7. Specifications, contained in Installation Manual, GEM-610/GEMINI 1200, Document No. 930320, June 10, 1993.
8. List of Major Components, contained in Installation Manual GEM-610/GEMINI 1200, Document NO. 930320, June 10, 1993.

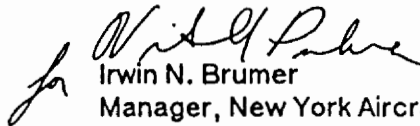
9. Environmental Qualification Form(s), contained in Installation Manual
GEM-610/GEMINI 1200, Document No. 930320, June 10, 1993.

10. "TSO Qualification Test Report", Document No. 930530, May 30, 1993.

11. Statement of Compliance.

A copy of the cited Quality Control Manual will be retained in the cognizant Manufacturing
Inspection District Office at Harrisburg, Pennsylvania.

Sincerely,


Irwin N. Brumer
Manager, New York Aircraft
Certification Office