United States Of America

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA5820NM

This Certificate issued to Horizon Instruments, Inc.
600 S. Jefferson St., Unit C
Placentia, CA 92870

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 *of the Civil Air Regulations,* including Amendment 3-12 and Part 23, Amendment 23-41 of the Federal Aviation Regulations.

Original Product Type Certificate Number: 3A12

Make: Cessna Aircraft Corp.

Model: 172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, *see continuation sheet for additional models

Description of Type Design Change: Installation of an Engine Electronic Digital Tachometer, Horizon Model P-1000, P/N P100055- (Applicability table on continuation sheet) in Cessna Aircraft Corp. 172 Series aircraft, in accordance with Horizon Instruments, Inc. Master Drawing List No. P100055, Rev. N/C, dated March 12, 1992, and/or later FAA approved revision. Horizon Airplane Flight Manual Supplement No. 1, Rev. N/C, August 12, 1992, or later approved revision is required.

Limitations and Conditions: The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 8, 1991

Date of issuance: August 28, 1992

Date reissued: January 14, 2002

Date amended: January 6, 1993, January 7, 2005

By direction of the Administrator

(*Signature*)

Manager, Propulsion Branch
Los Angeles Aircraft Certification Office
(*Title*)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

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Supplemental Type Certificate

(Continuation Sheet)

Number **SA5820NM**

*Models continued: 172H, 172I, 172K, 172M, 172N, 172P, 172Q, 172S, FP172

Applicability Table

Aircraft Model	Serial Number Range	Horizon Tachometer Part Number
172	610, 612, 615, 29175-29999, 36000-46754	P100055-140
172A	622, 635, 46755-47746	P100055-140
172B	630, 17247747-17248734	P100055-140 or P100055-146
172C	17248735-17249544	P100055-140 or P100055-146
172D	17249545-17250572	P100055-140 or P100055-146
172E	17250573-17251822	P100055-146
172F	17251823-17253392	P100055-146
172G	17253393-17254892	P100055-146
172H	638, 17254893-17254512, EXCL. 17256493	P100055-146
172I	17254513-17257161	P100055-140 or P100055-188
172K	17257162-17258486 17258487-17259223	P100055-140 or P100055-188
172L	17259224-17260758	P100055-188
172M	17260759-17267584	P100055-188
172N	17267585-17271034	P100055-847
“	17271035-17274009	P100055-887
172P	17274010-UP	P100055-187
172Q	17275760-17276516	P100055-148
172S	8001-UP	P100055-131
FP172	FP1720001-FP1720003	P100055-149

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