

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA1101GL

*This certificate issued to* Shadin Avionics  
6831 Oxford Street  
St. Louis Park, MN 55426

*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.*  
(See Type Certificate Data Sheet 5A6 for complete certification basis.)

*Original Product - Type Certificate Number :* 5A6  
*Make :* Cessna  
*Model :* 180, 180A, 180B, 180C, 180D, 180E,  
180F, 180G, 180H, 180J, 180K

*Description of Type Design Change:*

Installation of a Shadin Company Fuel Flow Indicating System in accordance with Shadin Report 4042 dated October 22, 1986, no revision or other FAA approved revision.

*Limitations and Conditions:*

- 1) This change in type design applies to basic airplanes of these models which are otherwise unmodified. This approval should not be extended to other airplanes of these models that incorporate any other previously approved modification, unless it is determined that the interrelationship between this change and any other previously approved modification will introduce no adverse effect on the airworthiness of these airplanes.
- 2) 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 :* October 22, 1986

*Date reissued :* June 8, 2006

*Date of issuance :* December 19, 1986

*Date amended :*

*By direction of the Administrator*



(Signature)

Charles L. Smalley  
Manager, Systems and Flight Test Branch  
Chicago Aircraft Certification Office

(Title)