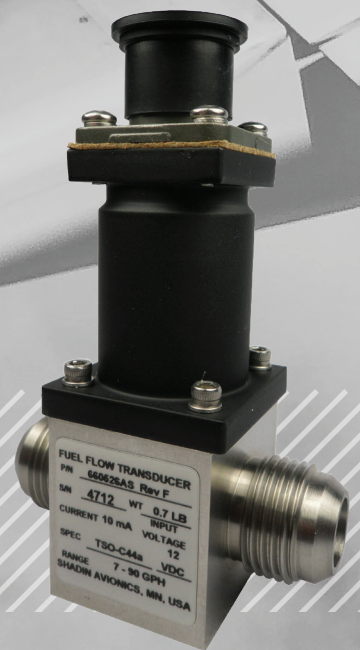


FUEL FLOW TRANSDUCERS

Shadin Fuel Flow Transducers are the standard in aviation fuel flow meters. Shadin's broad portfolio of TSO part numbers and installation approvals offer a solution to virtually any aircraft with a flow requirement from 0.6 gph to 450 gph.

Recently certified fuel flow transducer based on Hall effect technology that operates over a broader range of flow rates and in a higher temperature environment while maintaining Shadin's proven quality and reliability. This transducer also includes an integrated RTD temperature sensor.

Contact us at 952-927-6500 or visit www.shadin.com for more information, specifications, and to order.



Part Number	680503	680501-1(XX.X) 680501(XX.X)	680527	660526AR 660526AS	660527R 660527S	660532R 660532S	660534R 660534S	660534HR-00 660534HS-00	660534HR-01 660534HS-01	660534HR-02 660534HS-02	660535R 660535S	660537R 660537S
Min Accurate Flow Rate	.5 GPH	0.6 GPH	2 GPH	7 GPH	45 GPH	10 GPH		7 GPH			7.5 GPH	15 GPH
Max Accurate Flow Rate	65 GPH	60 GPH	80 GPH	90 GPH	450 GPH	200 GPH	160 GPH		90 GPH	200 GPH	100 GPH	350 GPH
Flow Pressure Drop	0.38 PSI @ 20 GPH	1.2 PSID @ 30 GPH	1.4 PSID @ 30 GPH	3.5 PSI @ 90 GPH	1.4 PSI @ 450 GPH	1.0 PSI @ 200 GPH	3.0 PSI @ 160 GPH		3.5 PSI @ 90 GPH		2.4 PSI @ 100 GPH	1.3 PSI @ 350 GPH
Locked Rotor Pressure Drop	No Data	No Data	N/A	7.5 PSI @ 90 GPH	6.2 PSI @ 450 GPH	3.5 PSI @ 200 GPH	6.5 PSI @ 160 GPH		6.5 PSI @ 90	9 PSI @ 200 GPH	5.1 PSI @ 100 GPH	6.0 PSI @ 350 GPH
Fittings	1/4 Inch Threaded FPT			3/4-16 UNF-3A 37 FLARE	7/8-14 UNF-3A 37 FLARE		3/4-16 UNF-3A 37 FLARE			7/8-14 UNF-3A 37 FLARE		
Weight	4 ounces			11 ounces	12 ounces		11 ounces	10 ounces	11 ounces		12 ounces	
Fuel	AVGas			Jet A-1								
Max Line Pressure	200 PSI			2000 PSI								
Common Applications	Gravity Feed Piston Aircraft	Piston Aircraft Piston Heli	Piston Aircraft	Turbine/Jet Fixed Wing Helicopter								
Certification	TSO-C44a		N/A	TSO-C44a	N/A	TSO-C44a		TSO-C44c			TSO-C44a	
Connector Type	22 GA Wire Leads (3), MIL-W-16878/18, TYPE CN 105C-1,000V			MS3106F-10SL-3S				PLUG: MS27467T9B35S BACKSHELL: M85049/49-2S8W			MS3106F-10SL-3S	
Pinout	Red - Power White - Signal Black - Ground			Pin A - Power Pin B - Signal Pin C - Ground				Pin 1 - Signal Pin 2 - Power Pin 3 - Ground Pin 4 - Temp + Pin 5 - Temp - Pin 6 - NC			Pin A - Power Pin B - Signal Pin C - Ground	
Fuel Temp RTD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1k Ohms at 0C 3.8 Ohms per Degree Scaling Accuracy +/- 5C			N/A	N/A
Operating Temperature	-55C to 70C			-55C to 100C				-55C to 149C			-55C to 100C	
K-Factor Range (Pulses Per Gallon)	20,000	28,000 - 33,000 82,000 - 88,000	78,000	36,000 - 46,000	5,800	9,000 - 10,000	20,250	9,500	20,250	9,500	24,500	7,000
Mounting	2 Hole for 1/4 Inch Screw, Miscellaneous Kits/Clamps, Firesleeve Insulation			4X 10-32 Screws, Body Tap Depth 0.5 Inches								
Power Input	12 VDC to 15 VDC @ 30 to 50 mA			12 VDC @ 10mA				4 VDC to 29 VDC @ 20mA Max			12 VDC @ 10mA	
Signal	Open Collector, pull down to 1.0 volt with 10-15k ohm pull-up resistor	12 VDC to 15 VDC @ 30 to 50 mA		Open Collector Sinking 20mA Max				12 - 24 VDC @ 15mA Max			Open Collector Sinking 20mA Max	