

## Model 964, Mass Flowmeter

**Description:** The Airgas® Model 964 mass flowmeter is a convenient, economical closed loop control system for metering gas flowrates. The unit is designed with an optimal 90 degree tilted LCD readout. The readout is also readily removable for remote reading installations, a feature especially useful in instrument panel designs.

The Model 964 is available in aluminum or stainless steel. LCD readouts are provided in direct reading units (standard) or in 0-100% displays. Calibration adjustment is conveniently accessible from the outside of the meter.

A 110v/12vdc power supply is provided.

Mass Flow Controllers

FLOWMETERS



Specifications	
Accuracy	±1.5% of full scale, including linearity for gas temperatures of 59° F to 77° F and pressures of 5 to 60 psia.
Repeatability	±0.5% of full scale
Response Time	Generally 2 seconds to within ±2% of actual flow rate over 25 to 100% of full scale
Gas Pressures	Glass filled nylon 150 psig SS 1000 psig up to 15 SLPM SS 500 psig over 15 SLPM 500 psig maximum (20 psig optimum)
Gas & Ambient Temperature	32 to 120° F
Wetted Parts	Aluminum models: anodized aluminum, 316 SS, brass and Viton® O-rings SS models: 316 SS and Viton® O-rings
Connections	¼" NPT female
Input Power	+12 Vdc; 200 mA maximum (provided)
Output Signal	Linear 0-5 Vdc. (1000 Ω min. load impedance) or 4 - 20 mA (50 - 250 Ω loop resistance)
Tilttable Display	3½ digit LCD, 0.5 inch high characters

Equipment

### Please Call 1-800-939-5711 For Ordering Information

Model	Maximum Flow	Body Type	Options
964	1 - 0-10 ml/min.	S. Stainless Steel	With LCD
	2 - 0-20 ml/min.	A. 10% glass filled nylon	Without LCD
	3 - 0-50 ml/min.		Neoprene® O-Rings
	4 - 0-100 ml/min.		Kalrez® O-Rings
	5 - 0-200 ml/min.		VRC® Compression Fitting
	6 - 0-500 ml/min.		½" Compression Fitting
	7 - 0-1 L/min.		¾" Compression Fitting
	8 - 0-2 L/min.		0-5 VDC output
	9 - 0-5 L/min.		4-20 MA output
	10 - 0-10 L/min.		Cable with 9-pin O-connector, (4-20 mA)
	11 - 0-20 L/min.		Cable with 9-pin O-connector, (0-5 Vdc)
	12 - 0-30 L/min.		Remote cable, 3 ft. long
	13 - 0-40 L/min.		Remove LDC readout with 3 ft. long cable

#### Ordering 964-1-S-With LCD

**Example:** 964 Mass Flowmeter with 0-10 ml/min. range; Stainless steel body; LCD option selected. Specify gas and operating parameters for calibration.