



# COMPACT PURGE FLOWMETER PANELS FOR COMMERCIAL GRADE GASES

## FM70 SERIES

### Description

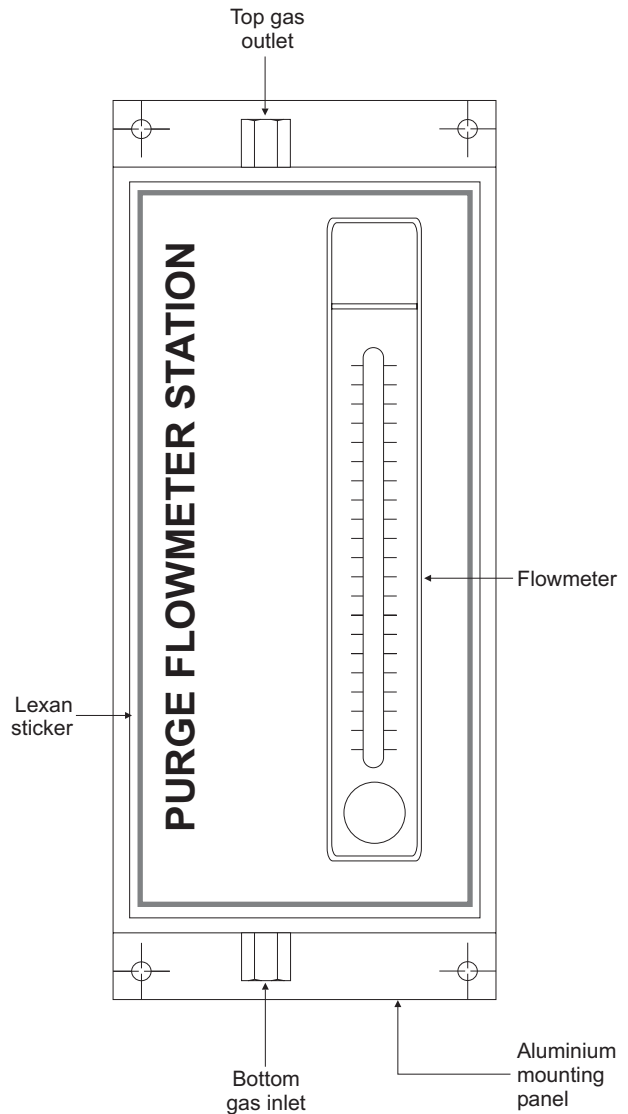
Offering advanced features at low cost, the FM70 Series of Flowmeter Panels are ideal for a wide range of laboratory applications, air samplers, gas analyzers and monitors, chemical injectors, cabinet purging etc.

The FM70 Series of direct read purge flowmeter panels incorporate many unique user features at moderate cost.

**Scale is in SCFH OF AIR only**

### Key Features

- Rust-free aluminum mounting panel
- Pre-drilled holes for convenient and easy installation
- Wide range of flow scales
- Panels completely assembled and tested prior to shipping
- Easy to read design - The float is highly visible against a white background
- Bottom inlet and top outlet
- Construction assures accuracy - All FM70 flowmeters are injection molded of tough, clear, shatter-proof polycarbonate plastic around a precision tapered pin



### How to order - part number matrix

#### What is the flow when using gases other than air but the scale is in SCFH of air ?

The instruction manual for the FM70 contains a conversion chart showing the multiplier to use for common gases. As an example, when used in argon service, any reading you see on the flowmeter should be multiplied by 0.85 to get the actual flow in SCFH argon.

Series	Range (in SCFH Air)
FM70	☑ 0.5 to 5 = 5
	☑ 1 to 10 = 10
	☑ 3 to 20 = 20
	☑ 4 to 50 = 50
	☑ 10 to 100 = 100
	☑ 20 to 200 = 200
	☑ 40 to 400 = 400
	☑ 50 to 500 = 500
	☑ 60 to 600 = 600

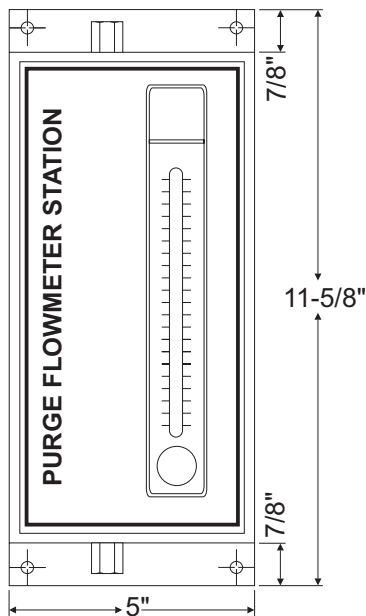
#### CAUTION !

WESTERN'S FM70 purge flowmeter panels are designed to provide satisfactory long term service when used with air, nitrogen, carbon dioxide, argon and other inert gases. Refer to factory for information on questionable gases. Oxygen and other oxidizers such as chlorine and very small molecules such as hydrogen should definitely not be used.



# COMPACT PURGE FLOWMETER PANELS FOR COMMERCIAL GRADE GASES FM70 SERIES TECHNICAL SPECIFICATIONS

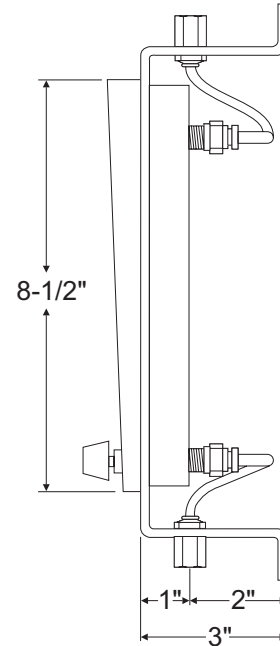
## Dimensional drawing



Front view

Model shown:  
FP70-100

Approximate dimensions

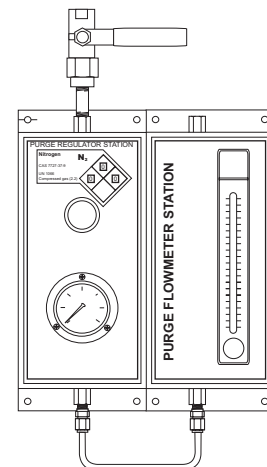


Side view

## Specifications

### Description

Maximum inlet pressure	70 psig
Flow rates	Refer to part number matrix
Inlet connection	1/4" F.NPT
Outlet connection	1/4" F.NPT
Operating temperature	130°F maximum
Tube diameter	1/4" outside diameter



## Standard materials of construction

### Part

Fittings	Body: PBT - Seals: NBR - Release sleeve & back ring: POM - Grab ring: stainless steel
Tubing	Teflon (PTFE) or Nylon
Flowmeter	Meter body, bezel, float stop and tube: polycarbonate - Wetted metal parts (valve): brass - Floats: stainless steel, black glass, aluminum, Monel, tungsten carbide - "O"-rings: neoprene and Buna-N - Fittings: stainless steel brazed to stainless steel backbone plate - Rivets: stainless steel, set into slots - Scale: brushed aluminum - clear epoxy coated - Knob: ABS plastic