

5700

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



Model 5700

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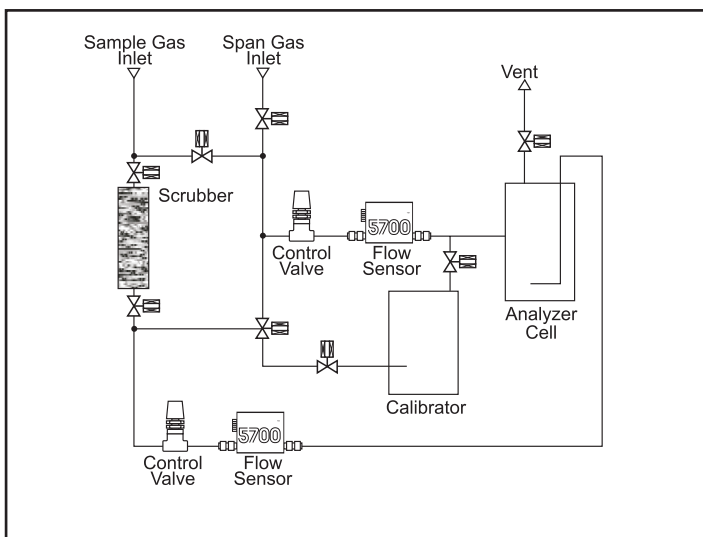
Electronic Flowmeter

The Brooks® Model 5700 is a gas flow meter specially designed to satisfy the needs of purge gas, process analysis and analytical flow measurement applications. The Model 5700 utilizes a proven thermal mass flow sensor which provides excellent repeatability, wide turndown and an electrical output signal. It has a rugged all stainless steel construction and no moving parts providing superior corrosion resistance and long-term reliability. The Model 5700 is an economical meter with an electrical output signal making it ideal for replacing turbine meters, variable area meters and other volumetric devices.

Product Features:

- Mass flow measurement - *No temperature or pressure correction required*
- Wide range of flow rates - *Satisfies most applications*
- Excellent repeatability - *Delivers consistent process/test results*
- No moving parts - *Ensures long-term reliability*
- Stainless Steel wetted materials - *Compatible with most process/test gases*
- Single sided power input - *Simplifies and reduces cost of installation*
- 0-5 Volt output signal - *Allows flow indication, trending and totalizing*
- European Community CE Certified - *Ensures electrical integrity for every application*

Product Applications



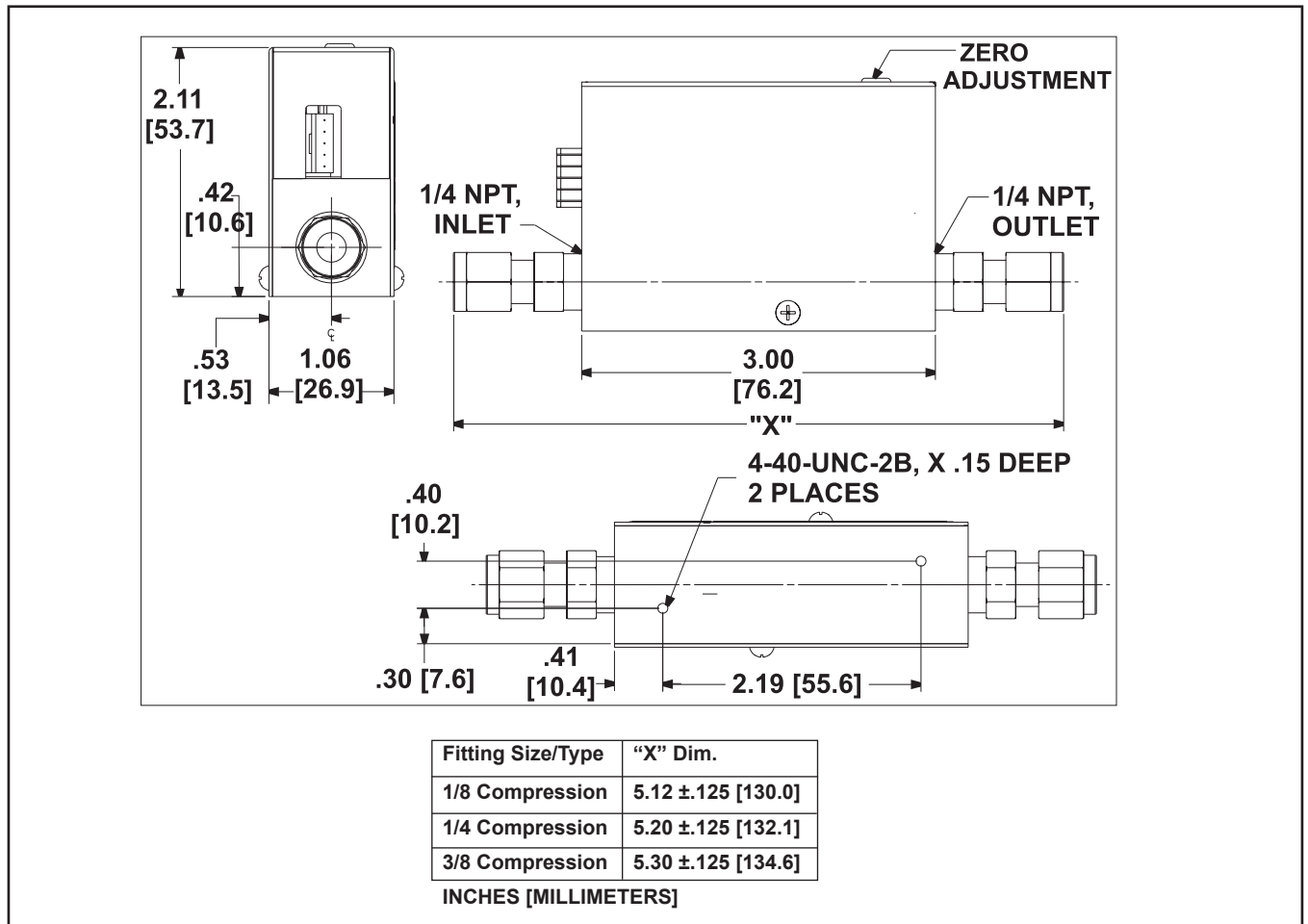
Gas Analyzer Application Diagram

- Purge gas measurement
- Gas analyzers
- Particle monitors
- Moisture analyzer
- Air/oxygen gauging equipment
- Medical anesthesia/oxygen systems
- Gas blanketing
- Exhaust flow measurement
- Aeration/Foaming
- Hydrogen and oxygen gas measurement to burner feed
- Bubbler system monitor
- Fermentation gas feed

PERFORMANCE	
Standard Flow Ranges*	0-10, 0-20, 0-50, 0-100, 0-200, 0-500 ml/min 0-1, 0-2, 0-5, 0-10, 0-20, 0-50 liters/min
Rangeability	20:1
Repeatability	0.5% full scale
Accuracy	5% full scale including linearity
Temperature Sensitivity	Zero: less than $\pm 0.075\%$ full scale per degree C Span: less than $\pm 0.075\%$ full scale per degree C
Pressure Sensitivity	Less than 0.05% per psi (0.0073% per KPa)
Mounting Attitude Sensitivity	Less than 0.5% full scale shift after rezeroing
Working Pressure	Up to 150 psig (1034 KPa)
Temperature Limits	Operating: 5 to 65°C Non-operating: -25 to 100°C
Materials of Construction	304 and 316 Stainless Steel
Connections	Mechanical: 1/4" FNPT Electrical: 5-Pin post header horizontal mount AMP 171826-5. The mating connector is AMP 172053-5
Power	11.5 to 15.5 Vdc, 50 mA
Output Signal	0-5 Vdc into 1000 ohms or greater
Dimensions	See Dimensions figure
Weight	1lb/0.5Kg

*Nitrogen, 760 torr Reference Pressure, Reference Temperature defined by User

Product Dimensions



Code Description	Code Option	Option Description
I. Base Model Number	5700A	Model 5700 Mass Flow Meter
II. Flow Range (*)	A	0-10 ml/min
	B	0-20 ml/min
	C	0-50 ml/min
	D	0-100 ml/min
	E	0-200 ml/min
	F	0-500 ml/min
	G	0-1 liters/min
	H	0-2 liters/min
	J	0-5 liters/min
	K	0-10 liters/min
	L	0-20 liters/min
	M	0-50 liters/min
	III. Reference Temperature	1
2		0°C (Normal)
IV. Process Connection	A	Integral 1/4" (f)NPT
	B	1/8" Compression
	C	1/4" Compression
	D	3/8" Compression
V. Material of Construction	1	Stainless Steel
VI. Options	A	None
	B	10 ft (3 meter) cable assembly
	C	Clean for oxygen service
	D	Options B and C above
VII. User/OEM Code	A	Standard

*Nitrogen, 760 torr Reference Pressure, Reference Temperature defined by User

To order, please specify complete model number and process gas to be measured.

Sample Standard Model Code

I	II	III	IV	V	VI	VII
5700A	H	1	A	1	A	A

Example:

Specify:

Model Code - 5700AH1A1AA
 Process Gas - Carbon Dioxide

To Receive:

Model 5700
 Flow 2 slpm N₂ (1.56 slpm CO₂)
 Reference Temperature: 70°F
 Connection: 1/4" FNPT

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