

СМС

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



CMC Series

CMC Series

Compact, Unheated, Capacitance Manometers

Used as the vacuum capacitance manometer of choice for thin-film processes, the Brooks® CMC Series capacitance manometers provide accurate total pressure measurement independent of gas composition.

The CMC Series delivers exceptional performance over a wide range of operating temperatures, making it an alternative choice to larger premium performance unheated gauges. The CMC is 40% smaller in size than traditional unheated capacitance manometers.

Ideal for Aggressive Applications

The all-welded design and Inconel® wetted surfaces ensures reliable operation in even the most aggressive processes. The combination of precision components and a wide temperature compensated operating range allows the CMC to deliver best-in-class zero and span temperature coefficients for optimum measurement stability.

Available for Typical Process Ranges

The CMC Series is available in full scale ranges from 1000 Torr to 10 Torr and is an ideal upgrade for small form-factor capacitance manometers and an economical alternative to full-sized unheated capacitance manometers.

Features	Benefits
40% smaller than traditional unheated capacitance manometers	The CMC Series delivers similar performance in a space saving, economic package.
Robust all-welded construction	Ensures optimum measurement repeatability compared to other designs that are prone to error inducing internal stresses that cause unpredictable variations in pressure measurement independent of gas composition.
Optional high-accuracy calibration	Delivers the accuracy of more costly premium unheated manometers.

PERFORMANCE

Full Scale Ranges	10, 20 50, 100, 200 and 1000 Torr
Accuracy ¹	Type A = 0.25% of reading; Type B = 0.5% of reading
Resolution ²	Infinite, limited by output noise ($\leq 0.0006\%$ F.S.)
Temp. Effect on Zero	0.005% F.S. / °C
Temp. Effect on Span	0.027% F.S. / °C
Response Time	20 msec
Operating Temperature	0 to 80°C
Compensated Temperature	0 to 50°C

MECHANICAL

Exposed Materials ²	Inconel [®]
Over-Pressure Limit	45 psia
Weight	0.3 lbs. (137 grams)

ELECTRICAL

Input Power	+12 to 30 Vdc
Output Signal	0-10 Vdc (<10K Ω load)
Power Consumption	<200 mW
Electrical Connectors	5-pin terminal strip 9-pin D sub 15-pin D sub on 6" cable

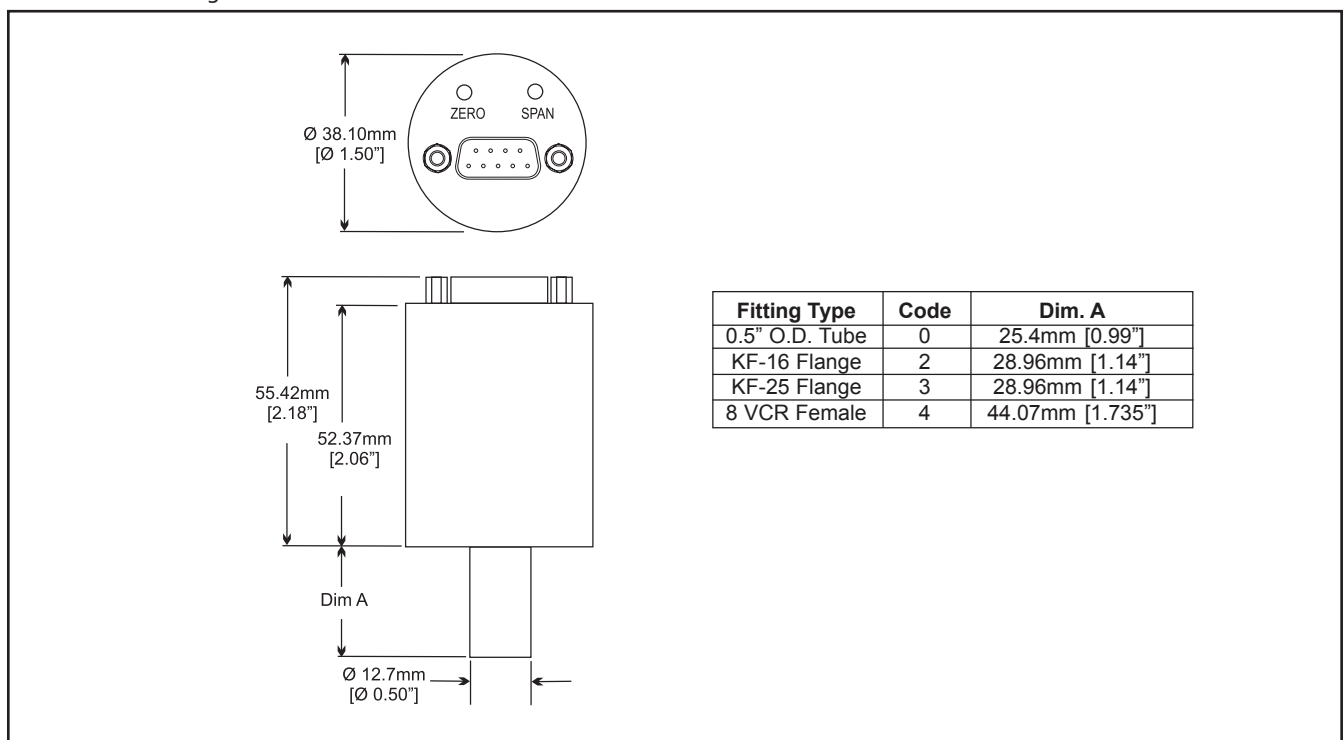
CERTIFICATIONS

Electromagnetic Compatibility	Fully CE certified to EMC Directive 89/336/EEC
RoHs	Compliant

Notes:

1. RSS-Including hysteresis, linearity and non-repeatability.
2. Wetted material is for 1/2" tube stub option, other flanges and fitting will add stainless steel.

Dimensional Drawing – CMC Series



Code Description	Code Option	Option Description
I. Base Model Number	CMCA	Compact Capacitance Manometer
II. Full Scale Range	T11	10 Torr
	T12	20 Torr
	T15	50 Torr
	T21	100 Torr
	T22	200 Torr
	T31	1000 Torr
	C11	10 mbar*
	C12	20 mbar
	C21	100 mbar
	C31	1000 mbar
	P11	1.333 kPa
	P21	13.33 kPa
	P31	133.3 kPa
III. Electrical Connector	1	9-pin sub D, 0-10 Vdc
	2	5-pin terminal strip, 0-10 Vdc
	3	15-pin sub D, 0-10 Vdc on 6" cable
IV. Fitting	0	1/2" tube stub
	1	KF10
	2	KF16
	3	KF25
	4	8VCR' F
	Q	1/4" tube stub
	R	4VCR' F
V. Accuracy	A	± 0.25% of reading accuracy
	B	± 0.5% of reading accuracy
VI. Compliance	R	RoHs Compliant

* Available with "B" Code (.5% of reading) only.

Sample Standard Model Code

I	II	III	IV	V	VI
CMCA	T11	1	Q	A	R

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	