

通讯/电源

数字输入 / 输出信号 RS232/RS485 串口和 Modbus RTU（默认）；
可选 Modbus TCP/IP、DeviceNet、EtherCAT、
EtherNet/IP、Profibus、Profinet

模拟输入 / 输出信号 0-5Vdc（默认）；
可选 1-5Vdc, 0-10Vdc或4-20mA

模拟信号精度 在基础误差上额外增加 ±0.1% 满量程的误差
数据刷新频率 数字信号 40 Hz@19200 波特率；
模拟信号：1000 Hz

屏幕刷新频率 10 Hz
供电电压 12-30 VDC（与量程有关）
供电电流 250 mA, 1 A, 2 A；额外加 40 mA（4 - 20 mA 输出）
电气接口 DB9M（默认），可选 DB9、DB15、6 针工业接口、
8 针 M12、8 针 Mini-DIN 等

尺寸/压损

满量程低压损气体质量流量控制器	满量程压损 (psid) 排气到大气中 与阀门配置有关	外形尺寸	过程接口	重量
0.5-20 sccm	0.07	3.90"H x 3.34"W x 1.05"D	M5 内螺纹 (10-32 兼容) (随货带 Buna-N 面密封转 1/8"NPT 内螺纹接头)	1.1lb (约 0.5kg)
50-500 sccm	0.07	4.07"H x 3.59"W x 1.05"D	1/8" NPT 内螺纹	1.2lb (约 0.5kg)
1 slpm	0.10			
2 slpm	0.18			
5 slpm (配置 R 阀门)	0.10	4.37"H x 5.41"W x 1.60"D	1/4"NPT 内螺纹	9.0lb (约 4.1kg)
10 slpm (配置 R 阀门)	0.12			
20 slpm (配置 R 阀门)	0.26			
40 slpm	0.14	5.50"H x 7.65"W x 2.25"D	1/2" NPT 内螺纹	9.0lb (约 4.1kg)
50 slpm	0.17	5.50"H x 7.28"W x 2.25"D	3/4" NPT 内螺纹	9.0lb (约 4.1kg)
100 slpm	0.30			
250 slpm	0.69			
500 slpm	0.69	5.50"H x 8.10"W x 2.90"D	3/4" NPT 内螺纹	12lb (约 5.4kg)
1000 slpm	1.65	6.27"H x 9.80"W x 3.84"D	2" NPT 内螺纹	28lb (约 12.7kg)

气体兼容表

#	短名字	长名字
0	Air	Air (Clean Dry)
1	Ar	Argon
2	CH ₄	Methane
3	CO	Carbon Monoxide
4	CO ₂	Carbon Dioxide
5	C ₂ H ₆	Ethane
6	H ₂	Hydrogen
7	He	Helium
8	N ₂	Nitrogen
9	N ₂ O	Nitrous Oxide
10	Ne	Neon
11	O ₂	Oxygen
12	C ₃ H ₈	Propane
13	nC ₄ H ₁₀	Normal Butane
14	C ₂ H ₂	Acetylene
15	C ₂ H ₄	Ethylene (Ethene)
16	iC ₄ H ₁₀	Isobutane
17	Kr	Krypton
18	Xe	Xenon
19	SF ₆	Sulfur Hexafluoride
20	C-25	25% CO ₂ , 75% Ar
21	C-10	10% CO ₂ , 90% Ar
22	C-8	8% CO ₂ , 92% Ar
23	C-2	2% CO ₂ , 98% Ar
24	C-75	75% CO ₂ , 25% Ar
25	He-25	25% He, 75% Ar
26	He-75	75% He, 25% Ar
27	A1025	90% He, 7.5% Ar, 2.5% CO ₂
28	Star29	Stargon CS (90% Ar, 8% CO ₂ , 2% O ₂)
29	P-5	5% CH ₄ , 95% Ar
30	NO	Nitric Oxide ¹
31	NF ₃	Nitrogen Tri luoride ¹
32	NH ₃	Ammonia ¹
33	Cl ₂	Chlorine ¹
34	H ₂ S	Hydrogen Sul ide ¹
35	SO ₂	Sulfur Dioxide ¹
36	C ₃ H ₆	Propylene ¹
80	1Buten	1-Butylene ¹
81	cButen	Cis-Butene (cis-2-Butene) ¹
82	iButen	Isobutene ¹
83	tButen	Trans-2-Butene ¹
84	COS	Carbonyl Sul ide ¹
85	DME	Dimethylether (C ₂ H ₆ O) ¹
86	SiH ₄	Silane ¹
100	R-11	Trichloro luoromethane (CCl ₃ F) ¹

#	短名字	长名字
101	R-115	Chloropenta luoroethane (C ₂ ClF ₅) ¹
102	R-116	Hexa luoroethane (C ₂ F ₆) ¹
103	R-124	Chlorotetra luoroethane (C ₂ HClF ₄) ¹
104	R-125	Pentafluoroethane (CF ₃ CHF ₃) ¹
105	R-134A	Tetrafluoroethane (CH ₂ FCF ₃) ¹
106	R-14	Tetrafluoromethane (CF ₄) ¹
107	R-142b	Tetrafluoromethane (CF ₄) ¹
108	R-143a	Trifluoroethane (C ₂ H ₃ F ₃) ¹
109	R-152a	Difluoroethane (C ₂ H ₄ F ₂) ¹
110	R-22	Difluoromonochloromethane (CHClF ₂) ¹
111	R-23	Trifluoromethane (CHF ₃) ¹
112	R-32	Difluoromethane (CH ₂ F ₂) ¹
113	R-318	Octafluorocyclobutane (C ₄ F ₈) ¹
114	R-404A	44% R-125, 4% R-134A, 52% R-143A ¹
115	R-407C	23% R-32, 25% R-125, 52% R-143A ¹
116	R-410A	50% R-32, 50% R-125 ¹
117	R-507A	50% R-125, 50% R-143A ¹
140	C-15	15% CO ₂ , 85% Ar
141	C-20	20% CO ₂ , 80% Ar
142	C-50	50% CO ₂ , 50% Ar
143	He-50	50% He, 50% Ar
144	He-90	90% He, 10% Ar
145	Bio5M	5% CH ₄ , 95% CO ₂
146	Bio10M	10% CH ₄ , 90% CO ₂
147	Bio15M	15% CH ₄ , 85% CO ₂
148	Bio20M	20% CH ₄ , 80% CO ₂
149	Bio25M	25% CH ₄ , 75% CO ₂
150	Bio30M	30% CH ₄ , 70% CO ₂
151	Bio35M	35% CH ₄ , 65% CO ₂
152	Bio40M	40% CH ₄ , 60% CO ₂
153	Bio45M	45% CH ₄ , 55% CO ₂
154	Bio50M	50% CH ₄ , 50% CO ₂
155	Bio55M	55% CH ₄ , 45% CO ₂
156	Bio60M	60% CH ₄ , 40% CO ₂
157	Bio65M	65% CH ₄ , 35% CO ₂
158	Bio70M	70% CH ₄ , 30% CO ₂
159	Bio75M	75% CH ₄ , 25% CO ₂
160	Bio80M	80% CH ₄ , 20% CO ₂
161	Bio85M	85% CH ₄ , 15% CO ₂
162	Bio90M	90% CH ₄ , 10% CO ₂
163	Bio95M	95% CH ₄ , 5% CO ₂
164	EAN-32	32% O ₂ , 68% N ₂
165	EAN-36	36% O ₂ , 64% N ₂
166	EAN-40	40% O ₂ , 60% N ₂
167	HeOx20	20% O ₂ , 80% He

#	短名字	长名字
168	HeOx21	21% O ₂ , 79% He
169	HeOx30	30% O ₂ , 70% He
170	HeOx40	40% O ₂ , 60% He
171	HeOx50	50% O ₂ , 50% He
172	HeOx60	60% O ₂ , 40% He
173	HeOx80	80% O ₂ , 20% He
174	HeOx99	99% O ₂ , 1% He
175	EA-40	Enriched Air-40% O ₂
176	EA-60	Enriched Air-60% O ₂
177	EA-80	Enriched Air-80% O ₂
178	Metab	Metabolic Exhalant (16% O ₂ , 78.04% N ₂ , 5% CO ₂ , 0.96% Ar)
179	LG-4.5	4.5% CO ₂ , 13.5% N ₂ , 82% He
180	LG-6	6% CO ₂ , 14% N ₂ , 80% He
181	LG-7	7% CO ₂ , 14% N ₂ , 79% He
182	LG-9	9% CO ₂ , 15% N ₂ , 76% He
183	HeNe-9	9% Ne, 91% He
184	LG-9.4	9.4% CO ₂ , 19.25% N ₂ , 71.35% He
185	SynG-1	40% H ₂ , 29% CO, 20% CO ₂ , 11% CH ₄
186	SynG-2	64% H ₂ , 28% CO, 1% CO ₂ , 7% CH ₄
187	SynG-3	70% H ₂ , 4% CO, 25% CO ₂ , 1% CH ₄
188	SynG-4	83% H ₂ , 14% CO, 3% CH ₄
189	NatG-1	93% CH ₄ , 3% C ₂ H ₆ , 1% C ₃ H ₈ , 2% N ₂ , 1% CO ₂
190	NatG-2	95% CH ₄ , 3% C ₂ H ₆ , 1% N ₂ , 1% CO ₂
191	NatG-3	95.2% CH ₄ , 2.5% C ₂ H ₆ , 0.2% C ₃ H ₈ , 0.1% C ₄ H ₁₀ , 1.3% N ₂ , 0.7% CO ₂
192	CoalG	50% H ₂ , 35% CH ₄ , 10% CO, 5% C ₂ H ₆
193	Endo	75% H ₂ , 25% N ₂
194	HHO	66.67% H ₂ , 33.33% O ₂
195	HD-5	LPG: 96.1% C ₃ H ₈ , 1.5% C ₂ H ₆ , 0.4% C ₄ H ₁₀ , 1.9% n-C ₄ H ₁₀
196	HD-10	LPG: 85% C ₃ H ₈ , 10% C ₂ H ₆ , 5% n-C ₄ H ₁₀
197	OCG-89	89% O ₂ , 7% N ₂ , 4% Ar
198	OCG-93	93% O ₂ , 3% N ₂ , 4% Ar
199	OCG-95	95% O ₂ , 1% N ₂ , 4% Ar
200	FG-1	2.5% O ₂ , 10.8% CO ₂ , 85.7% N ₂ , 1% Ar
201	FG-2	2.9% O ₂ , 14% CO ₂ , 82.1% N ₂ , 1% Ar
202	FG-3	3.7% O ₂ , 15% CO ₂ , 80.3% N ₂ , 1% Ar
203	FG-4	7% O ₂ , 12% CO ₂ , 80% N ₂ , 1% Ar
204	FG-5	10% O ₂ , 9.5% CO ₂ , 79.5% N ₂ , 1% Ar
205	FG-6	13% O ₂ , 7% CO ₂ , 79% N ₂ , 1% Ar
206	P-10	10% CH ₄ , 90% Ar
210	D-2	Deuterium

¹ 仅用于耐腐蚀型设备。