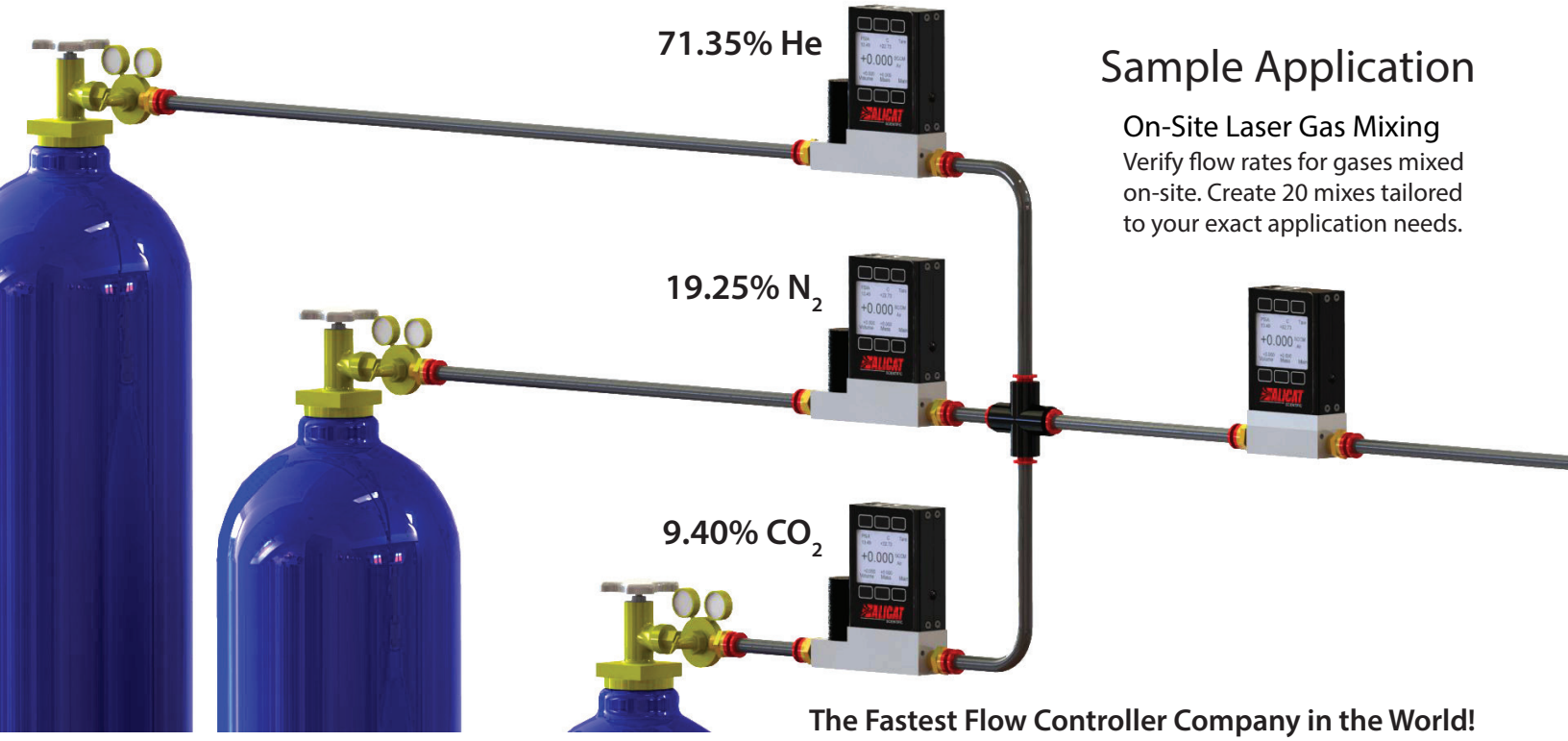
Gas Select COMPOSER™

Personalized gas compositions for accurate mixed gas measurement

Your flow needs will change. Alicat's COMPOSER™ is ready to adapt with you, on the fly. The day of disposable flow instruments is over.

20 gas mixes • 5 gases per mix • up to 130 preloaded gases

Easy
•
Accurate
•
Personalized
•
Future-Proofed



Sample Application

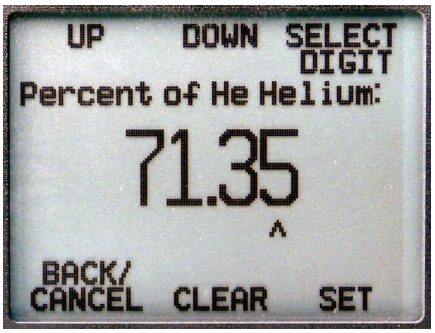
On-Site Laser Gas Mixing

Verify flow rates for gases mixed on-site. Create 20 mixes tailored to your exact application needs.

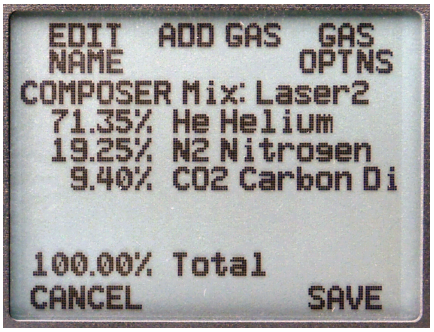
The Fastest Flow Controller Company in the World!

alicat.com/composer

ALICAT SCIENTIFIC



Define gas compositions to 0.01% for each of up to 5 constituent gases.



COMPOSER™ mixes are NIST-traceably accurate to 0.8% or 0.4% of reading.

Create and store 20 COMPOSER™ gas mixes simultaneously on each device.

```
>agm Laser2 254 71.35 7 19.25 8 9.4 4
A 254 71.35% He 19.25% N2 9.40% CO2
```

Generate gas lists for multiple units in seconds with single RS-232 commands.

See the video!

Gas Select™ 5.0

Never use inaccurate K-factors again! Complete NIST Ref Prop 9 gas properties data for up to 130 preloaded full gas calibrations, selectable in real time.

Pure Gases

- Acetylene
- Air
- Argon
- i-Butane
- n-Butane
- Carbon dioxide
- Carbon monoxide
- Deuterium
- Ethane
- Ethylene (Ethene)
- Helium
- Hydrogen
- Krypton
- Methane
- Neon
- Nitrogen
- Nitrous Oxide
- Oxygen
- Propane
- Sulfur Hexafluoride
- Xenon

Bioreactor Gases

- 5% CH_4
- 10% CH_4
- 15% CH_4
- 20% CH_4
- 25% CH_4
- 30% CH_4
- 35% CH_4
- 40% CH_4
- 45% CH_4
- 50% CH_4
- 55% CH_4
- 60% CH_4
- 65% CH_4
- 70% CH_4
- 75% CH_4
- 80% CH_4
- 85% CH_4
- 90% CH_4
- 95% CH_4

Chromatography Gases

- P-5
- P-10

Welding Gases

- C-2
- C-8
- C-10
- C-15
- C-20
- C-25
- C-50
- C-75
- He-25
- He-50
- He-75
- He-90
- A1025
- Stargon CS

Pure Corrosives

Requires **MS/MCS-Series instrument*

- Ammonia
- Butylene (1-Butene)
- Cis-Butene
- Iso-Butene
- Trans-Butene
- Carbonyl Sulfide
- Chlorine (meters only)
- Dimethylether
- Hydrogen Sulfide
- Nitrogen Trifluoride
- Nitric Oxide
- Propylene
- Silane
- Sulfur Dioxide (meters only)

Refrigerants

Requires **MS/MCS-Series instrument*

- R-11
- R-14
- R-22
- R-23
- R-32
- R-115
- R-116
- R-124
- R-125
- R-134A
- R-142B
- R-143A
- R-152A
- RC-318
- R-404A
- R-407C
- R-410A
- R-507A

Breathing Gases

- EAN-32
- EAN-36
- EAN-40
- Metabolic Exhalant
- EA-40
- EA-60
- EA-80
- Heliox-20
- Heliox-21
- Heliox-30
- Heliox-40
- Heliox-50
- Heliox-60
- Heliox-80
- Heliox-99

Laser Gases

- 4.5% CO_2+13.5% N_2+82% He
- 6% CO_2+14% N_2+80% He
- 7% CO_2+14% N_2+79% He
- 9% CO_2+15% N_2+76% He
- 9.4% CO_2+19.25% N_2+71.35% He
- 9% Ne+91% He

O_2 Concentrator Gases

- 89% O_2+7% N_2+4% Ar
- 93% O_2+3% N_2+4% Ar
- 95% O_2+1% N_2+4% Ar

Fuel Gases

- ***Coal Gas*** 50% H_2+35% CH_4+10% CO+5% C_2H_4
- ***Endothermic Gas*** 75% H_2+25% N_2
- ***HHO*** 66.67% H_2+33.33% O_2
- ***LPG HD-5*** 96.1% C_3H_8+1.5% C_2H_6+0.4% C_3H_6 +1.9% n-C_4H_{10}
- ***LPG HD-10*** 85% C_3H_8+10% C_3H_6+ 5% n-C_4H_{10}

Natural Gases

- 93% CH_4+3% C_2H_6+1% C_3H_8+2% N_2+1% CO_2
- 95% CH_4+3% C_2H_6+1% N_2+ 1% CO_2
- 95.2% CH_4+2.5% C_2H_6+0.2% C_3H_8+0.1% C_4H_{10}+1.3% N_2+0.7% CO_2

Synthesis Gases

- 40% H_2+29% CO+20% CO_2+11% CH_4
- 64% H_2+28% CO+1% CO_2+7% CH_4
- 70% H_2+4% CO+25% CO_2+1% CH_4
- 83% H_2+14% CO+3% CH_4

Stack/Flue Gases

- 2.5% O_2+10.8% CO_2+85.7% N_2+1% Ar
- 2.9% O_2+14% CO_2+82.1% N_2+1% Ar
- 3.7% O_2+15% CO_2+80.3% N_2+1% Ar
- 7% O_2+12% CO_2+80% N_2+1% Ar
- 10% O_2+9.5% CO_2+79.5% N_2+1% Ar
- 13% O_2+7% CO_2+79% N_2+1% Ar

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