

New Feature Announcement

MULTIPLE GAS CURVES

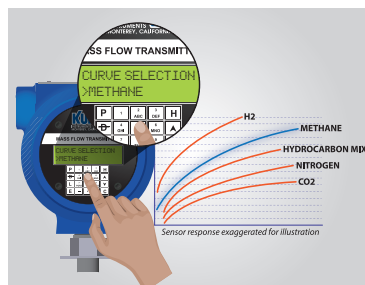
Supporting Multiple Gases and Gas Mixes

Kurz has long recognized the increasing critical importance that high-quality flow instrumentation provides for improving facility operations and efficiencies. Over the years Kurz has added the capabilities for User Selection of Line Size, Flow Rate Definition, and Velocity-Dependent Correction Factor Programming to provide the most site-flexible, precise thermal mass flow meters available.

In response to customer requests for a single instrument that is capable of measuring different gas flows, Kurz announces enhanced capability to support Multiple Gas Calibrations for its B-Series flow meters. This feature allows for measuring and controlling different gases at different phases of a process (such as a product gas followed by a purge gas), using the flow meter in several applications, or using the flow meter as a spare for a number of processes.

This new enhancement allows customers to predefine up to 5 different calibrations (five individual gases or mixed gas compositions) per instrument that are managed via manual or automatic adjustment. After configuration, the flow meter has the ability to accept field adjustments either manually (through the keypad, Modbus, or USB connections) or automatically by providing a linear (4-20 mA) external signal to the instrument.

- Up to 5 predetermined gas curves
- Each curve labeled with individual gas name and appropriate gas density
- Manual or automatic gas curve selection
- Supports multiple phases of any process
- Provides “common” spare for facility
- Allows multiple purposes (short –term and long-term use) on a single instrument



The Multiple Gas Calibrations feature is available through Option 17. However, Option 17 has dual-purpose functionality that is configured per user specifications — either for Shifting Gas Concentrations or for Multiple Gas Calibrations. The two functionalities are mutually exclusive, and the specified functionality cannot be changed.

Ordering the Multiple Gas Calibration Feature

To order the Multiple Gas Calibration feature:

454FTB	Feature 8, Contact the Regional Sales Manager for allowances and limitations
454FTB-WGF	Feature 10, Option M through Q
504FTB	Feature 6, Contact the Regional Sales Manager for allowances and limitations
534FTB	Feature 6, Contact the Regional Sales Manager for allowances and limitations

To access the Multiple Gas Calibration feature using the Product Configurator in the Kurz online Pricing Program, choose **Gas Mix** for the Process Gas:

Process Gas

Gas Mix

Select Process Gas

Air

Argon

Butane

Carbon Dioxide

Dry Ammonia

Dry Chlorine

Ethane

Ethylene

Helium

Hydrogen

Methane

Digester Gas: 50% CH₄, 50% CO₂

Digester Gas: 60% CH₄, 40% CO₂

Digester Gas: 70% CH₄, 30% CO₂

Nitrogen

Oxygen

Propane

Gas Mix

Special Gas

For the Specialty Gas Velocity Calibration feature, choose the number of needed gas curves.

Specialty Gas Velocity Calibration (F8)

Correlation

Select Option

Select Option

(8K) User Defined Binary Gas Composition

(8M) One Gas Curve

(8N) Two Gas Curves

(8O) Three Gas Curves

(8P) Four Gas Curves

(8Q) Five Gas Curves

Click **Enter Gas Compositions**, and then enter a gas name into each Gas Composition field.
For example, methane, carbon dioxide, nitrogen, oxygen, and air.

Specialty Gas Velocity Calibration (F8)

Correlation

(8Q) Five Gas Curves

[- Enter Gas Compositions -](#)

Gas Compositions

Gas Composition #1:

Gas Composition #2:

Gas Composition #3:

Gas Composition #4:

Gas Composition #5:

Finished

Cancel

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