



KURZ THERMAL MASS FLOW METERS

Kurz "Smart" Mass Flow Meters include Single-Point Insertion Mass Flow Elements, In-Line Mass Flow Elements, and Multi-Point Insertion Mass Flow Elements for use with air, industrial gases, flue gases and ultra-high purity process gases for a wide variety of applications. All Mass Flow Elements and Flow Control Valves are used with the Series 155 ADAM family of "Smart" Mass Flow Computers. No other manufacturer matches Kurz in response time, accuracy, repeatability, flow turn-down capability, value, quality and demonstrated reliability. Other products include Portable Air Velocity Meters and Air Sampling Systems. Y2K and CE compliance! Explosion-Proof and Non-Incendive safety approvals!

PRODUCT SUMMARY



SERIES 155 ADAM "SMART" MASS FLOW COMPUTERS

- ▶ Up to 22 inputs, 8 analog outputs, 16 METERS
- ▶ Easy-to-use menu; access codes
- ▶ Variable velocity correction factors
- ▶ "Flow Perfect" multi-sensor redundancy
- ▶ Built-in input/output calibration
- ▶ CE compliance!
- ▶ Year 2000 compliance
- ▶ LCD and keypad on enclosure cover
- ▶ Upload/Download using PC
- ▶ Non-Incendive – All Models
- ▶ EPA flow sensor "drift check" circuitry
- ▶ Velocity Temperature Mapping (VTM)



SERIES 452, 454FT, 410 INSERTION MASS FLOW ELEMENTS, TRANSMITTERS

- ▶ All-welded Alloy C-276 sensors
- ▶ High temperature (200°C, 500°C)
- ▶ 2-wire, loop-powered, 410, 452
- ▶ Fast response to velocity, temperature
- ▶ Process – Series 452, 454FT
- ▶ 454FT Smart Transmitters
- ▶ Explosion-Proof or Non-Incendive
- ▶ Light industrial – Series 410
- ▶ Exceptional accuracy, repeatability, reliability
- ▶ Optional temperature sensor
- ▶ CE compliance!
- ▶ Optional ball valve retractor/restraint



K-BAR 16, K-BAR 24 K-BAR 2000 MULTI-POINT INSERTION MASS FLOW ELEMENTS

- ▶ All-welded Alloy C-276 sensors
- ▶ High temperature (200°C, 500°C)
- ▶ Demonstrated toughness and reliability
- ▶ CE compliance!
- ▶ Self-cleaning – K-BAR 2000P
- ▶ Fast response to velocity, temperature
- ▶ No maintenance, easy to install
- ▶ Exceptional accuracy, repeatability
- ▶ Utility Stacks, Cement Plants
- ▶ Combustion Air, Incinerators
- ▶ Flare gas, HVAC, Process
- ▶ Meets EPA CEM Flow Monitor Requirements



SERIES 502, 504FT, 510, 522-UHP IN-LINE MASS FLOW ELEMENTS, TRANSMITTERS

- ▶ Pipe sizes of 3/8" to 6"
- ▶ Tube sizes of 1/4" to 2" – 522-UHP
- ▶ 504FT Smart Transmitters
- ▶ Demonstrated 700:1 turndown!
- ▶ Temperature: -40°C to 125°C
- ▶ Range: 0.05 - 2,000 SCFM
- ▶ 522-UHP for Ultra-High Purity Gases
- ▶ Built-in flow mixing section (KMX)
- ▶ Exceptional accuracy and repeatability
- ▶ CE compliance!
- ▶ All-welded Alloy C-276 sensors
- ▶ Explosion-Proof or Non-Incendive



SERIES 730 MASS FLOW CONTROL VALVES

- ▶ Unique integrated design
- ▶ 100:1 turndown ratio
- ▶ Pressure-assisted shut-off
- ▶ 2-wire, loop-powered
- ▶ Linear Cv from .05 to 10.0
- ▶ Pressure to 300 PSIG
- ▶ Three body sizes
- ▶ 316L SS construction
- ▶ 0.25% repeatability
- ▶ Fast response
- ▶ Temperature: -40°C to 125°C
- ▶ Demonstrated reliability



SERIES 440, 490, 2440 PORTABLE AIR VELOCITY METERS

- ▶ Easy-to-read analog scales
- ▶ Multiple ranges to 12,000 SFPM
- ▶ Optional temperature and static pressure
- ▶ 1/4" Dia. sensor support
- ▶ Rugged carrying case
- NEW!** **SERIES 2440**
- ▶ State-of-the-art microprocessor design
- ▶ Large backlit LCD/keypad
- ▶ Model 2441, 2442 – HVAC
- ▶ Model 2443 – general purpose
- ▶ Model 2444, 2445 – heavy industrial

Model 2442

Quite Simply
The Best!



Kurz Instruments Inc.
2411 Garden Road
Monterey, CA 93940
831-646-5911
Fax 831-646-8901

1-800-424-7356
The Leader in Mass Flow
Technology for Process and
Environmental Measurements

IMPORTANT NOTICE: Specifications are subject to change without notice.

www.kurz-instruments.com / email: sales@kurz-instruments.com

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