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Flow and Level Instrumentation Solutions for Industrial Processes

- Air, Gas, Liquid, Slurry Applications
- Mass Flow Meters
- Solutions for Line Sizes 1/4” [6 mm] to 33’ [10 m] Ducts
- Thermal Dispersion Mass Flow Technologies
- Global Sales and Service
- Extensive Product Selection to Optimize Application Solutions
- Accuracy Assurance with Calibration in Your Actual Fluid and Process Conditions
- Lowest Maintenance, No Moving Parts
- Fast, Easy Installation
- Compliance and System Approvals to Global Standards
- Analog and Digital Bus Communications
- Exclusive Flow Conditioners Solve Installation Constraints

Fluid Components International solves flow and level measurement applications for industrial process and plant applications using patented thermal dispersion flow measurement technologies. With nearly five decades of experience and the world’s largest installed base of thermal dispersion instruments, you can count on FCI to know your application and have proven solutions that will save you time and expense. From off-the-shelf products to custom engineered products and systems, FCI has the selection and an unequalled record of innovations to supply the optimal product for your application. From single-point to multi-point flow meters, from basic air flow to complex mixed, variable flare gas compositions, from water to the harshest of chemicals, FCI products will deliver superior accuracy, repeatability and long-term reliability at the lowest installed cost.
Mass Flow Meters—Thermal Dispersion

- Air and Gas Applications
- Direct Mass Flow Measuring
- No Moving Parts
- Low Cost Solution for Large Line Sizes
- Wide Turn-Down Ratio, to 1000:1
- Apply in Air / Gases to 850 °F [454 °C]
- SIL Compliance

Thermal dispersion provides a gas flow measuring solution that is easy to install and virtually maintenance-free to save you time and costs. It has no moving parts and is inherently multivariable, measuring both flow and temperature. Insertion styles are particularly well suited for larger line size applications because probe length and the number of sensors are easily and economically added. Thermal dispersion technology places two thermowell protected platinum RTD temperature sensors in the process stream. One RTD is heated while the other senses the actual process temperature. The temperature difference between these sensors is measured and is proportional to the mass flow rate of the fluid.

FCI Air/Gas Mass Flow Meter Solution

FCI flow meters feature a patented no-moving parts flow element design that provides direct mass flow measurement with just a single process penetration. This saves space and eliminates unnecessary installation, expense, and performance degradation associated with separate temperature and pressure sensors, and density calculation devices needed with inferred mass flow techniques. With no moving parts to plug or foul, FCI flow meters deliver extensive cost savings over alternative high maintenance technologies. The result is an accurate and highly repeatable mass flow measurement at the lowest total installed cost. In today’s complex process control schemes, FCI flow meters provide accurate gas flow measurements essential for process consistency, quality and safe plant operation.
Level Switches
- High Reliability, No Moving Parts
- Dual Function, Level and Temperature
- AC, DC and Loop Powering Options
- 3-Phase Detection
- Interface Between Two Non-Miscible Fluids
- SIL 2 Compliance

FCI liquid level and interface switches provide fast responding and accurate fluid level alarm or setpoint control. They sense the temperature difference between a heated sensor and an unheated reference sensor, where the difference is greatest in the absence of liquid and decreases proportionally as the elements are submerged in various fluids with varying thermal conductivities. When submerged the heated sensor cools as it dissipates heat and in turn, a change in magnitude of the temperature difference. Because all fluids exhibit different heat transfer characteristics FCI’s highly sensitive level switch technology can detect historically difficult interface applications between fluids such as liquids, gases, emulsions, slurries and foam, regardless of their physical properties.

OEM and Custom Solutions
For unique applications or installation conditions, FCI has the technology, engineering capabilities and production capability to meet your needs. Whether you need a slight modification to a standard FCI product or a totally unique product solution designed from the ground up, FCI will work closely with you on a solution. FCI has produced an extensive array of OEM flow and level measuring solutions.

Exclusive Flow Conditioners Solve Tough Installations
For plant conditions with limited piping straight-run or significant flow disturbances, FCI ensures accurate and repeatable flow measurements using Vortab and patented Vortab VIP flow conditioners. Proven Vortab technology is widely recommended by industry experts, to be the single most effective solution for flow conditioning and flow straightening. FCI is the only thermal dispersion flow technology supplier authorized to provide Vortab flow conditioners with its products.

Beyond and Behind the Products
Included in your investment in FCI products are certifications, agency approvals, pedigrees and quality validations to meet and exceed your expectations. FCI products carry “full instrument” approvals for HazEx installations and are certified to regional standards throughout the world. For Safety Instrumented Systems (SIS), per IEC 61508 and 61511, FCI has more independently validated SIL compliant thermal dispersion technology solutions than any other manufacturer. FCI manufacturing is certified to the latest ISO-9001 standards, and your instrument will be calibrated on flow stands with equipment traceable to NIST and ISO/IEC 17025 (also see page 10). Certified material test reports, NACE certification, Oxygen cleaning, air or hydro pressure testing, dye penetrant or radiography test, positive material identification reports and more, are available as you may require. FCI post-sale support includes start-up assistance and site services, performed by thermal dispersion technology experts, FCI service technicians stationed throughout the world, depot service, repair and recalibrations. FCI goes beyond the product to ensure the most reliable, safe and longest service life solutions available.

Got an application challenge?
You will find FCI offers an extensive array of options and special solutions that ensure an optimal product for your installation or conditions. Examples include:
- Extended temperature service
- Packing glands and ball valves for hot tap installations and easy retractability
- Exotic wetted materials and protective coatings
- VeriCal™, industry exclusive in-situ calibration verification system available for ST100 Series
- Nuclear qualified products
## Thermal Dispersion Flow Meters

FCI offers the widest selection of thermal dispersion technology flow meters to provide solutions for industrial measurement of air and virtually any gas. They are direct mass flow measuring devices that will save you cost and installation time over other flow devices, that require installation of additional temperature and/or pressure sensors to merely “infer” mass flow. The meters are inherently dual-function, flow and temperature, to provide the lowest cost, best value for applications where fluid temperature is also required. With no moving parts or orifices to clog, these FCI flow meters provide long life with minimal maintenance.

There are six core models with features, functions and packaging designed to optimize measurements in an array of applications and conditions. For line sizes greater than 2 inches [50 mm], FCI’s “insertion” styles provide the economical, easy-to-install solution via a single tap point. For smaller lines, 2 inches [50 mm] or smaller, select the “in-line” styles.

**ST50, ST51, and ST51A** are compact and economical, yet full-featured insertion meters that are easy to install and specify. Model ST50 is designed for air, compressed air and nitrogen applications requiring Division 2 [Zone 2] or lower ratings. Model ST51A is designed for biogas, digester gas, methane, natural gas applications requiring Division 1 [Zone 1].

**ST75 Series** are compact, in-line meters with extensive standard features that is the economical, easy-to-specify alternative to other maintenance-intensive flow technologies. Models with an “A” suffix (ST75A, ST75AV) include HART and SIL compliance. Models with a “V” suffix (ST75V, ST75AV)

### Model Specification Table

<table>
<thead>
<tr>
<th>Model/ Series</th>
<th>Line Size Compatibility</th>
<th>Key Features and Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST50</td>
<td>&gt;2” to 24”</td>
<td>Easy to install</td>
</tr>
<tr>
<td></td>
<td>[&gt;51 mm to 610 mm]</td>
<td>Easy to specify</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Small, compact package</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biogas, digester gas, methane, natural gas applications</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High accuracy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HART,Foundation™ Fieldbus, PROFIBUS, Modbus RS-485</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Graphical display</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 2 unique calibrations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adaptive Sensing Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fast response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wet gas solution</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3-point calibration test</td>
</tr>
<tr>
<td>ST51/ST51A</td>
<td>&gt;2” to 24”</td>
<td>Easy to install</td>
</tr>
<tr>
<td></td>
<td>[&gt;51 mm to 610 mm]</td>
<td>Easy to specify</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Small, compact package</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biogas, digester gas, methane, natural gas applications</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High accuracy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HART,Foundation™ Fieldbus, PROFIBUS, Modbus RS-485</td>
</tr>
<tr>
<td></td>
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<td>Graphical display</td>
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<td></td>
<td></td>
<td>Up to 2 unique calibrations</td>
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<tr>
<td></td>
<td></td>
<td>Adaptive Sensing Technology</td>
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<tr>
<td></td>
<td></td>
<td>Fast response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wet gas solution</td>
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<tr>
<td></td>
<td></td>
<td>3-point calibration test</td>
</tr>
<tr>
<td>ST80</td>
<td>&gt;2” to 99”</td>
<td>Easy to install</td>
</tr>
<tr>
<td></td>
<td>[&gt;51 mm to 2500 mm]</td>
<td>Easy to specify</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Small, compact package</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biogas, digester gas, methane, natural gas applications</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High accuracy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HART,Foundation™ Fieldbus, PROFIBUS, Modbus RS-485</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Graphical display</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 5 unique calibrations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dual-element systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vercal</td>
</tr>
<tr>
<td>ST100 Series</td>
<td>&gt;2” to 99”</td>
<td>Easy to install</td>
</tr>
<tr>
<td></td>
<td>[&gt;51 mm to 2500 mm]</td>
<td>Easy to specify</td>
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<tr>
<td></td>
<td></td>
<td>Small, compact package</td>
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<tr>
<td></td>
<td></td>
<td>Biogas, digester gas, methane, natural gas applications</td>
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<tr>
<td></td>
<td></td>
<td>High accuracy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HART,Foundation™ Fieldbus, PROFIBUS, Modbus RS-485</td>
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<tr>
<td></td>
<td></td>
<td>Graphical display</td>
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<tr>
<td></td>
<td></td>
<td>Up to 5 unique calibrations</td>
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<tr>
<td></td>
<td></td>
<td>Dual-element systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vercal</td>
</tr>
</tbody>
</table>

### Other Features, Options

- Namur NE43 fault output
- SIL compliance (ST51A)
- Optical keypad option
- SIL compliance
- Namur NE43 fault output
- Vercal in-situ calibration verification
- Dual-element averaging
- On-board data logger
- Optical keypad
- SIL compliance
- Namur NE43 fault output
- Calibration self-test
- On-board data logger
- LCD readout with touch-type screen
### ST75 Series

- 0.01 SCFM to 839 SCFM \(^3\) (0.01 NCMH to 1425 NCMH)
- 0.006 SCFM to 1850 SCFM \(^3\) (0.01 NCMH to 3140 NCMH)
- 0.006 SCFM to 1850 SCFM \(^3\) (0.01 NCMH to 3140 NCMH)

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Accuracy</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST75 Series</td>
<td>0.01 SCFM to 839 SCFM (^3) (0.01 NCMH to 1425 NCMH)</td>
<td>±1% rdg, 0.5% FS</td>
<td>NPT or tubing connections</td>
</tr>
<tr>
<td>ST80L</td>
<td>0.006 SCFM to 1850 SCFM (^3) (0.01 NCMH to 3140 NCMH)</td>
<td>±1% rdg, 0.5% FS</td>
<td>Easy to specify</td>
</tr>
<tr>
<td>ST100L</td>
<td>0.006 SCFM to 1850 SCFM (^3) (0.01 NCMH to 3140 NCMH)</td>
<td>±1% rdg, 0.5% FS</td>
<td>Small, compact package</td>
</tr>
</tbody>
</table>

### ST75 Series and ST80L

- NPT or tubing connections
- Easy to specify
- Small, compact package
- Rate and total flow outputs
- Ideal for fuel gas and gas injection applications
- Natural gas submetering

### ST100L

- High accuracy
- HART, FOUNDATION Fieldbus, PROFIBUS, Modbus RS-485
- Adaptive Sensing Technology
- Graphical display
- Up to 2 unique calibrations
- Fast response
- 3-point calibration test

### ST80L

- 1/4" to 2" (6 mm to 51 mm)
- Integral or remote mounting
- Outputs (optional)
  - Dual analog outputs
  - Easy to specify

### Other Agency Approvals

- Hazardous Location and Enclosure
- Digital Display Option
- FM, CSA
- EAC (TRCU) Russia, CPA
- CE, PED

### MT100 Series

- Dual analog outputs
- Biogas, digester gas
- Small, compact package
- Easy to install
- Stainless steel with Hast-C tips

### ST100 Series

- 0.01 SCFM to 839 SCFM \(^3\) (0.01 NCMH to 1425 NCMH)
- 1/4" to 2" (6 mm to 51 mm)
- Duall element systems
- On-board data logger
- Optical keypad
- Built-in Vortab flow conditioner
- Optical keypad option
- SIL compliance

### ST10L

- 1" to 2" (25 mm to 51 mm)
- Division 1 [Zone 1] approved
- Dual analog outputs
- Biogas, digester gas
- Small, compact package
- Easy to install
- Stainless steel with Hast-C tips

### ST80L

- 1/4" to 2" (6 mm to 51 mm)
- Dual analog outputs
- Biogas, digester gas
- Small, compact package
- Easy to install
- Stainless steel with Hast-C tips

### Notes:

1. Actual measuring range may vary depending on specific model code and fluid
2. SFPS is 70 °F at 14.7 psia [NMPS is 0 °C at 1.01325 Bar (a)]
3. Higher pressure ratings available, contact FCI
4. Higher flow ranges may be possible depending on application specifics, contact FCI
5. Line size dependent
### FLT Series

FCI’s FLT93 family sets the standard for industrial flow and level switch performance, reliability and value. FLT93 combines all-welded, thermal dispersion sensors with precision electronics protected in a robust industrial enclosure to ensure superior flow or level sensing and long life in the rigors of industrial plant installations. All FLT93 Series switches feature field configurable, dual setpoints for any combination of high and low trip points or as a dual function flow (or level) and temperature switch. All applications encounter temperature variations and unlike other thermal dispersion switches, all FLT93s include temperature compensation to ensure proper switch operation regardless of fluid or ambient temperature changes. Further, all FLT93s uniquely feature analog voltage outputs to set and validate trip points as well as FCI’s exclusive pre-check circuit which allows the user to verify system setpoint/trip operation at anytime via a simple contact closure.

### FS10A

FS10A is a flow switch/monitor specially designed for gas or liquid analyzer sampling systems. FS10A has simple screw-in installation in standard tube tee or NeSSI (SP76) manifolds. The line is small in size and offers a wide range of models and options for various applications. It provides accurate flow measurement with simple contact closure. The FS10A is particularly useful for applications requiring frequent recalibration or maintenance, as it can be easily removed and recalibrated without shutting down the process.

### Table: FLT Series

<table>
<thead>
<tr>
<th>Model/Series</th>
<th>FLT93 B</th>
<th>FLT93 F</th>
<th>FLT93 S</th>
<th>FLT93 L</th>
<th>FLT93 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Size Compatibility (in flow applications)</td>
<td>1” to 10” (25 mm to 2500 mm)</td>
<td>1” to 10” (25 mm to 2500 mm)</td>
<td>1” to 10” (25 mm to 2500 mm)</td>
<td>1/4” to 1” (6 mm to 25 mm)</td>
<td>1” to 10” (25 mm to 2500 mm)</td>
</tr>
<tr>
<td>Key Features and Applications</td>
<td>• Fast Response</td>
<td>• Fast Response</td>
<td>• In-line Style</td>
<td>• Precheck Fail Guard</td>
<td>• Precheck Fail Guard</td>
</tr>
<tr>
<td>• General Purpose</td>
<td>• Dual, Heavy-duty Relay Outputs</td>
<td>• Dual, Heavy-duty Relay Outputs</td>
<td>• Dual, Heavy-duty Relay Outputs</td>
<td>• Precheck Fail Guard</td>
<td>• Precheck Fail Guard</td>
</tr>
<tr>
<td>• Dual, Heavy-duty Relay Outputs</td>
<td>• SIL 2</td>
<td>• SIL 2</td>
<td>• SIL 2</td>
<td>• Nuclear Qualified Versions</td>
<td>• Nuclear Qualified Versions</td>
</tr>
<tr>
<td>• SIL 2</td>
<td></td>
<td></td>
<td></td>
<td>• 3-Year Warranty</td>
<td>• 3-Year Warranty</td>
</tr>
</tbody>
</table>

### Flow Capabilities

<table>
<thead>
<tr>
<th>Range-Air/Gas</th>
<th>Range-Liquids: Water/Water based</th>
<th>Range-Liquids: Hydrocarbon based Accuracy</th>
<th>Flow Capabilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25 FPS to 120 FPS</td>
<td>0.01 FPS to 3.0 FPS</td>
<td>±5% rdg; ±2% of Setpoint</td>
<td>±5% rdg; ±2% of Setpoint</td>
</tr>
<tr>
<td>[0.08 MPS to 37 MPS]</td>
<td>[0.003 MPS to 0.9 MPS]</td>
<td>[0.003 MPS to 1.5 MPS]</td>
<td>[0.003 MPS to 1.5 MPS]</td>
</tr>
<tr>
<td>n/a</td>
<td>n/a</td>
<td>±5% rdg; ±2% of Setpoint</td>
<td>±5% rdg; ±2% of Setpoint</td>
</tr>
</tbody>
</table>

### Level Capabilities

<table>
<thead>
<tr>
<th>Level Capabilities</th>
<th>Temperature Compensation</th>
<th>Sensor Operating Temp Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>±0.25 inch</td>
<td>±0.25 inch</td>
<td>-40 °F to 350 °F</td>
</tr>
<tr>
<td>±0.4 mm</td>
<td>±0.1 inch</td>
<td>[-40 °C to 177 °C]</td>
</tr>
<tr>
<td>±0.15 inch</td>
<td>±0.05 inch</td>
<td>[-40 °F to 350 °F]</td>
</tr>
<tr>
<td>±0.2 mm</td>
<td>±0.125 inch</td>
<td>[0 °C to 177 °C]</td>
</tr>
<tr>
<td>±0.25 inch</td>
<td>±0.125 inch</td>
<td>[0 °F to 350 °F]</td>
</tr>
<tr>
<td>±0.4 mm</td>
<td>±0.125 inch</td>
<td>[-40 °C to 121 °C]</td>
</tr>
<tr>
<td>±0.25 inch</td>
<td>±0.125 inch</td>
<td>[-40 °F to 200 °F]</td>
</tr>
</tbody>
</table>

### Sensor Operating Pressure

- 2,350 psig to 3,500 psig (162 bar to 241 bar)
- 1,450 psig to 3,500 psig (100 bar to 241 bar)
- 2,350 psig to 3,500 psig (162 bar to 241 bar)
- 1,450 psig to 3,500 psig (100 bar to 241 bar)

### Transmitters

- Dual SPDT or Single DPDT Relays, 6A DC Voltage Output for Calibration, DC Voltage of Temperature
- Dual SPDT or Single DPDT Relays, 6A DC Voltage Output for Calibration, DC Voltage of Temperature
- Dual SPDT or Single DPDT Relays, 6A DC Voltage Output for Calibration, DC Voltage of Temperature
- Dual SPDT or Single DPDT Relays, 6A DC Voltage Output for Calibration, DC Voltage of Temperature

### Other Features, Options

- Precheck Fail Guard
- RoHS Compliant
- 3-Year Warranty
- Precheck Fail Guard
- RoHS Compliant
- 3-Year Warranty
- Precheck Fail Guard
- RoHS Compliant
- 3-Year Warranty
- Precheck Fail Guard
- RoHS Compliant
- 3-Year Warranty

### FS10A

- Simple screw-in installation in standard tube tee or NeSSI (SP76) manifolds
- Small in size for easy installation
- Pre-check circuit for system setpoint/trip operation
- Suitable for gas or liquid analyzer sampling systems
- Wide range of models and options for various applications

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8
and lightweight, with a choice of outputs to match any application.

FS10i

FS10i is an insertion flow sensing instrument that provides a highly accurate, repeatable and fast-responding flow trip point or alarm setting. The FS10i comes standard with both a 1A relay output for alarm/trip point setting, a 4-20 mA analog output for trending and monitoring, and a 10-segment LED display. The trip point can be set as high or low, and can be adjusted with hysteresis and/or time delay. The FS10i is easily set-up in the field using either the two-button keypad, or with a PC connection to the FS10i’s serial port.

Notes:
1. Actual measuring range may vary depending on specific model code and fluid
2. SPS is 70 °F at 14.7 psia [NMPS is 0 °C at 1.01325 Bar (a)]
3. Higher pressure ratings available, contact FCI
4. Line size dependent

**FS1A**

- For Analyzer and Sampling Systems
- Tube Tee or SP76
- LED Array
- Relay, Open Collector, 4-20 mA
- SIL 2

**FS10i**

- For High/Low Flow Rate Detection
- NPT fixed or compression
- LED Array
- Relay, Open Collector, 4-20 mA
- SIL 2

0.02 SCFH to 200 SCFH S

- 0.01 GPH to 12 GPH S
- 0.01 GPH to 12 GPH S

± 1% rdg, ± 0.5% FS Gas
± 5% rdg, ± 0.5% FS Liquids
± 0.5% of reading

n/a

500 psig

316L Stainless Steel with Hast-C thermowells, all Hastelloy

Open Collector, SPDT Relay
1A, 4-20 mA, RS232C

24 Vdc

Metal, NEMA 4X, IP64

FM, FMc, ATEX, IEC, EAC, TRCU Russia, CE, SIL 2

Refer to product brochure for approval details

Push button set-up

• LED display
• M12 or watertight cable connection
• Hysteresis and time delays

**FS10i**

1" to 100"

(25 mm to 2500 mm)

±5% rdg, ±2% of Setpoint

± 1% rdg, ± 0.5% FS Gas
± 5% rdg, ± 0.5% FS Liquids
± 0.5% of reading

n/a

150 psig to 2000 psig

316L Stainless Steel with Hast-C thermowells

Open Collector, SPDT Relay
1A, 4-20 mA, RS232C

24 Vdc

Metal, NEMA 4X, IP64-IP67

FM, FMc, ATEX, IEC, EAC, TRCU Russia, CE, SIL 2

Refer to product brochure for approval details

Push button set-up

• LED display
• M12 or watertight cable connection
• Hysteresis and time delays

Industry relies on rugged FLT Series for critical flow applications
Calibrated To Your Application

FCI Calibration Ensures Installed Accuracy

All FCI products are tested and calibrated to rigorous standards to ensure you get the instrument that does the job you specified. To design and produce the highest quality flow instrumentation, FCI operates a world-class, flow calibration laboratory with calibrations performed on more than 19 different flow stands, using equipment traceable to NIST (US National Institute of Standards and Technology), and ISO/IEC 17025 (International Standards for test lab quality systems) and that is certified to meet such stringent standards as MIL-STD 45662A and ANSI/NCSL Z-540. Other suppliers are often limited to air and water calibrations then rely on un-validated theoretical equivalencies for other fluids. FCI has proven this procedure to be inadequate and may result in installed errors well outside published specifications. For most fluids, FCI thermal dispersion flow meters are calibrated using the actual fluid, as well as the actual temperature and process conditions of your application. The result is a flow meter you can install with total confidence and assurance that it meets your application. For other suppliers to perform an actual gas calibration equal to FCI’s, they typically must send their final product to an outside laboratory that will result in extra charges and shipment delays to you.
Choosing FCI is Easy

- Pre-Sale Support Gets You the Right Product
- Post-Sale Service to Ensure Continuous Operation
- Product Training Workshops

In addition to the broad range of products and superior calibration you can count on FCI to provide superior pre-sale and post-sale service and support to ensure the right product and long-term operation. With FCI you get pre-sale support and applications assistance by qualified, trained and process experienced engineers. And FCI takes the guess work out of specifying the right flow meter for your applications. AVAL is FCI’s exclusive program that ensures our sales engineering representatives select and recommend optimum solutions, as well as advise of engineering and installation considerations for your flow meter applications.

FCI’s post-sale support is unmatched. On site field service, field start-up assistance, recalibration, 24-hour service and technical support hot line, instrument maintenance plans and FCI sponsored product knowledge workshops are all available to you as an FCI customer.