

**Instruments • Valves • Controls**

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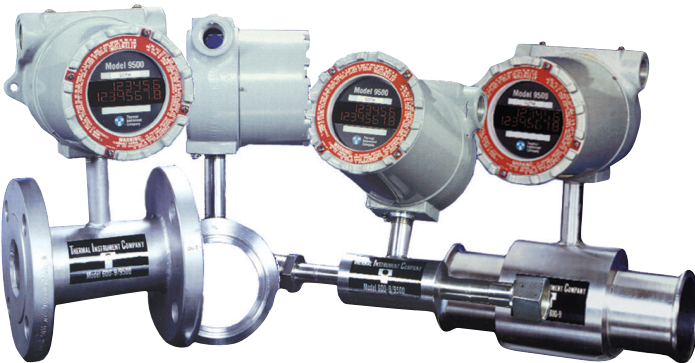
 This is a:  Request for Quote  Order: PO# \_\_\_\_\_

Quantity Needed: \_\_\_\_\_ Date Required: \_\_\_\_/\_\_\_\_/\_\_\_\_

 Shipping Method: \_\_\_\_\_ Partials Accepted:  Yes  No


# Thermal Dispersion Mass Flowmeter

## Application Datasheet



### Sensor Specifications

 Instrument Type  Flow Meter  Flow Switch  Flow Probe

Design/Mounting Style

 Inline  Horizontal  Vertical  Other \_\_\_\_\_

 Insertion  Side  Top  Other \_\_\_\_\_

 Design Style  Insertion  Flow Switch  Flow Probe

Line Size: OD \_\_\_\_\_ ID \_\_\_\_\_

Process Connection \_\_\_\_\_

Cable Length \_\_\_\_\_

Material \_\_\_\_\_

 Finish  Standard  Sanitary  10-15 RA UHP

### Electronics Specifications

 Mount  Integral  Remote  Panel

 Enclosure  NEMA 4  NEMA 4X  NEMA 4, 7&9

 Special Material Needed?  Stainless Steel  Fiberglass

 Power  115 VAC, 60 Hz  24 VDC  230 VAC

 Output  4-20 mA DC Flow

 4-20 mA DC Temperature

 Other \_\_\_\_\_

 Alarm Relay  One 5 Amp SPDT Alarm for Flow

 Two 5 Amp SPDT Alarms for Flow

 One 5 Amp SPDT Alarm for Flow, plus

One 5 Amp SPDT Alarm for Temperature

Other Required Features

 Flow Indication  Yes  No

 Totalizer  Yes  No

Other \_\_\_\_\_

### Process Data

Flow Medium \_\_\_\_\_

 Media Type  Liquid  Gas  Solid

Viscosity \_\_\_\_\_ CPS

Specific Gravity \_\_\_\_\_

Reference Temperature \_\_\_\_\_

Thermal Conductivity \_\_\_\_\_

Specific Heat \_\_\_\_\_

 Density \_\_\_\_\_  g/cm<sup>3</sup>  lb/ft<sup>3</sup>

 Flow in Pipe  Full Line  Partial

 Straight Run (10 and 5)  Yes  No

If no, why not? \_\_\_\_\_

Piping Geometry

Upstream Diameter: \_\_\_\_\_

Downstream Diameter: \_\_\_\_\_

| Process Conditions | Min.  | Normal | Max.  | Units   |
|--------------------|-------|--------|-------|---|
| Flow Range         | _____ | _____  | _____ | _____   |
| Level Range        | _____ | _____  | _____ | _____   |
| Temperature        | _____ | _____  | _____ | <input type="checkbox"/> °C <input type="checkbox"/> °F   |
| Pressure           | _____ | _____  | _____ | <input type="checkbox"/> PSI <input type="checkbox"/> bar |

**Please attach a sketch of the application, including dimensions, sensor and electronics locations. Note any obstructions or restrictions that may affect measurement.**