



## Sample Sentry Series

### Specifications

Specifications are subject to change without notice.

**Applications:** Sentry® Sample Sentry® is designed to meet requirements for representative sampling by maintaining a constant flow rate with varying inlet conditions.

#### Models:

##### *Low Pressure Models (LP)*

100–500 psi (6.9–35 bar) at 450°F (232°C)

##### *High Pressure Models (HP)*

500–3000 psi (35–207 bar) at 1000°F (540°C)

#### Flow Control:

- Range: 0–1500 cc/min
- Accuracy:  $\pm 50$  cc/min

#### Sample Sentry PRO Measurements:

- Final Sample Temperature
- Cooling Water Outlet Temperature
- Inlet Temperature to Secondary Cooler
- Inlet Sample Pressure
- Analyzer Sample Pressure
- Sample Flow Rate

#### Sample Sentry Lite Measurements:

- Sample Flow Rate

#### Pressure Measurements:

- Range: 0–3000 psi (0–207 bar)
- Accuracy:  $\pm 0.5\%$

#### Temperature Measurements:

- Range: 32–250°F (0–121°C)
- Accuracy:  $\pm 1^\circ\text{F}$

#### Alarm Relay Contact Rating:

- Max. operating voltage: 250 VAC  
220 VDC
- Max. switching capacity: 30 W, 62.5 VA  
inductive  
60 W, 125 VA  
resistive

#### Communications:

- Protocol: MODBUS®
- Network: RS-485

#### Display:

Graphical Vacuum Fluorescent Display

#### Power:

- Input Voltage: 100–240 VAC
- Frequency Range: 50/60 Hz
- Input Current: 1.5 A / 115 V  
0.9 A / 230 V

#### Compressed Air:

- Consumption :  $< 0.2$  scfm
- Pressure: 80 psi minimum (5.5 bar)
- 120 psi maximum (8.3 bar)

#### Ambient Temperature:

0–50°C (32–122°F) RH 95% max.  
non-condensing at 40°C (104°F) max.

#### Approximate Shipping Weight:

65 lb max (29 kg)

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