



sierra monitor corporation

Model 5398-21 Gas Sample Draw Panels

Gas Sample Draw Panel (5398-21) provides an easy to use method of drawing an air sample from a remote, or hostile area to a more convenient location for analysis. The Sample Draw Panel can use gas sensor modules for Combustible or Toxic gases, either the Sentry style modules or the Analog (4-20 mA output) modules. It can use gas sensor modules for Combustible or Toxic gases.

The integral sample pump to draw the sample at a high flow rate to reduce sample time. The sample is delivered to the sensor up-stream from the pump to avoid negative pressure conditions. A bypass line exhausts excess sample volume to avoid high flow rates across the sensor. Each panel is a self-contained system with the pump, flow indication, valves to control sample draw and calibration gas delivery, and the gas detection sensor and transmitter (priced separately) all housed in an enclosure. The flow systems design will deliver the sample to the sensor with minimal pressure affecting the sensor as the excess flow and pressure are bled off via the bypass flowmeter.



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The Sample Draw Panels are intended for installation in an area, which is accessible, by the user for periodic routine inspection and calibration. The panel requires 120 VAC input and provides local visual as well as remote indication of pump and flow status.

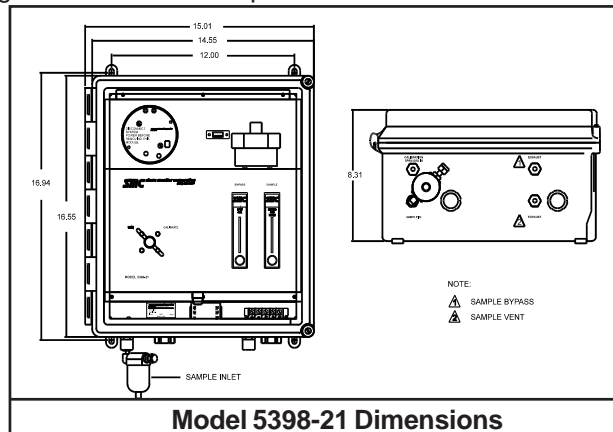
Specifications:

Power:	110 VAC @ 1 amp
Pump:	Oil Free, Diaphragm Type
Maximum Sample Draw:	600 feet with 1/4" tubing
Flow Rates:	0-500 cc/min. Adjustable sample to sensor
Maximum Operating Pressure:	50 PSIG
Controls:	3-way valve for Run and Calibration
Outputs:	Dry contact pump flow failure switch (contacts closed when flow is detected, open for alarm)
Filter:	Coalescing filter for moisture knock-out for each sample line
Tubing Connections:	1/4" Tube Fittings for connection of: <ul style="list-style-type: none"> - sample lines - sample exhausts - calibration gas - bypass exhaust
Enclosure type:	NEMA 4X Fiberglass with window
Dimensions (H x W x D):	16.9 x 15.0 x 8.3 inches (42.9 x 38.1 x 21.1 cm)
Weight:	17.6 lbs (8.0 Kg) - without gas sensor module
Sensor/Transmitter:	Mounting provisions for all standard Sierra Monitor Corp. Sentry and Analog gas sensor modules

Ordering Information:

Model 5398-21

Single Channel Gas Sample Panel



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