

7872 Gas Sampling System

Specification

Overview

The pre-packaged 7872 sampling system provides a complete pre-engineered panel designed specifically for hydrogen cooled generator applications in utility, paper mills and other co-generation applications. The sampling system allows easy, convenient calibration of all three ranges.

Equipment Description

The 7872 sample panel is an optional part of the 7866 analyzer and includes all components mounted on a single steel panel. Components of the sampling system include:

- Flow Control Module
- Calibration Module and Bypass Module
- Pressure Regulator
- Air Filter
- Rugged stainless steel tubing, valves and fittings.

All components are panel mounted and piped together. It is recommended that a sample panel be part of each 7866 installation.

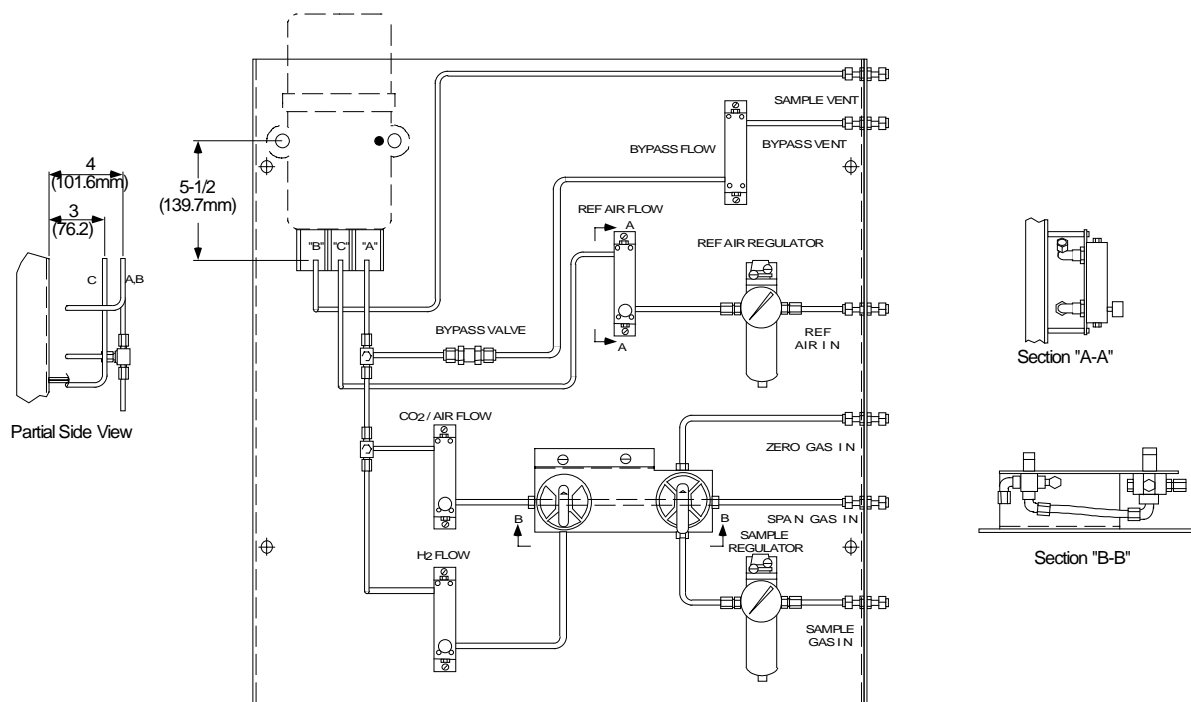


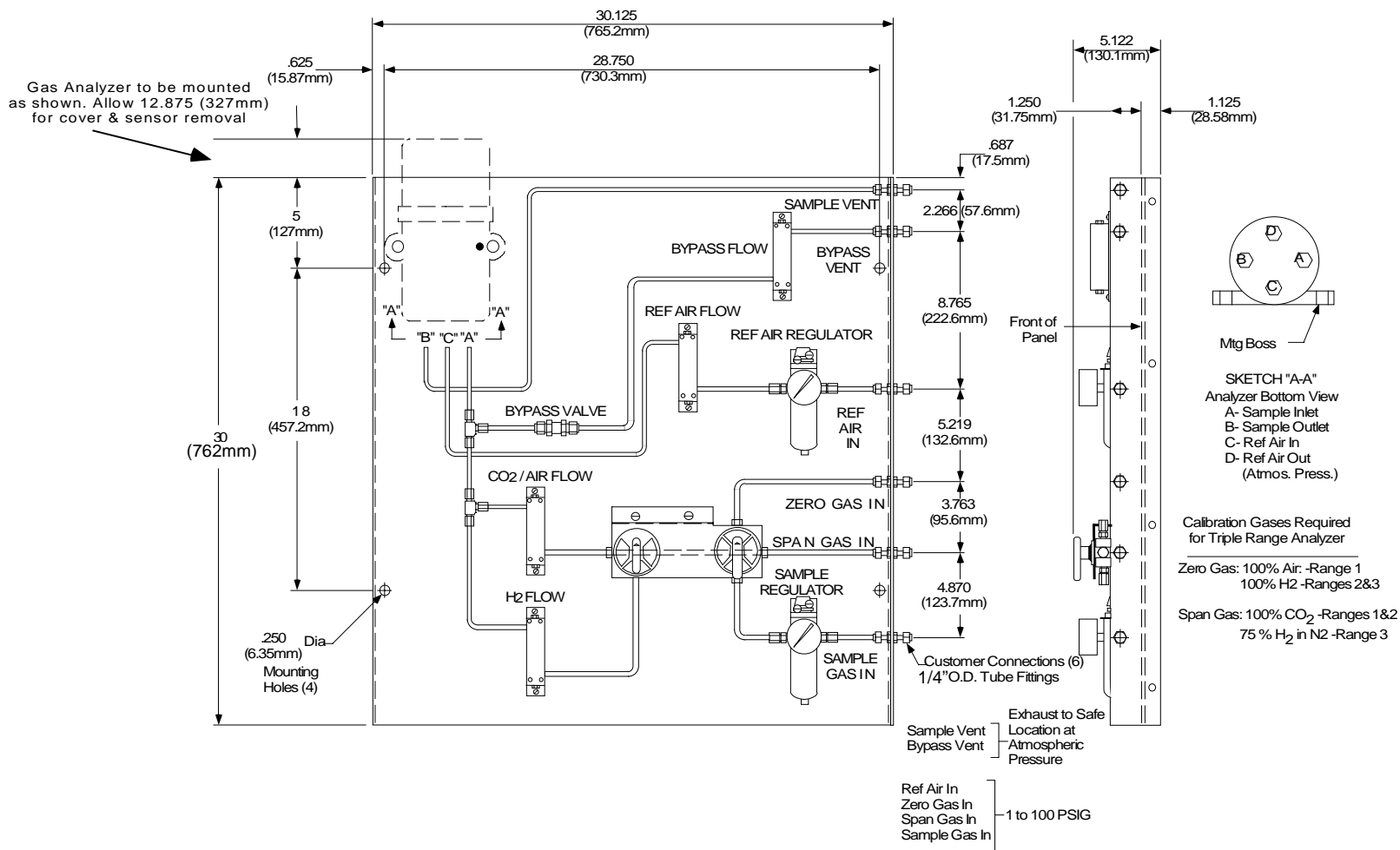
Figure 1 7872 Gas Sampling Panel Exploded View

Specifications

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Sample Requirements	
Particulate Load	Up to 229 mg/m ³
Temperature	Up to 220 °F (104 °C)
Pressure	1 psig to 100 psig (0.07 kg/cm ² to 7 kg/cm ²)
Water Vapor Content	Dry or dew point not above ambient temperature.
Utility Requirements	
Reference Air	250 cc/min to 1000 cc/min, instrument quality (clean and dry).
Calibrating Gases	CO ₂ (100 %) and H ₂ (100 %). It is also recommended that a tank of 75 % H ₂ in N ₂ be available to span calibrate the third range (H ₂ in Air).
Construction	12-gauge steel, gray enamel finish, with components mounted, piped and tested.
Dimensions	30" (w) x 30" (h) x 51" (d) (52 cm x 76 cm x 115 cm)
Weight	Approximately 50 lb. (22.5 kg)

Figure 2 7872 Gas Sampling Panel Mounting Dimensions



Warranty/Remedy

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Distributor :

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