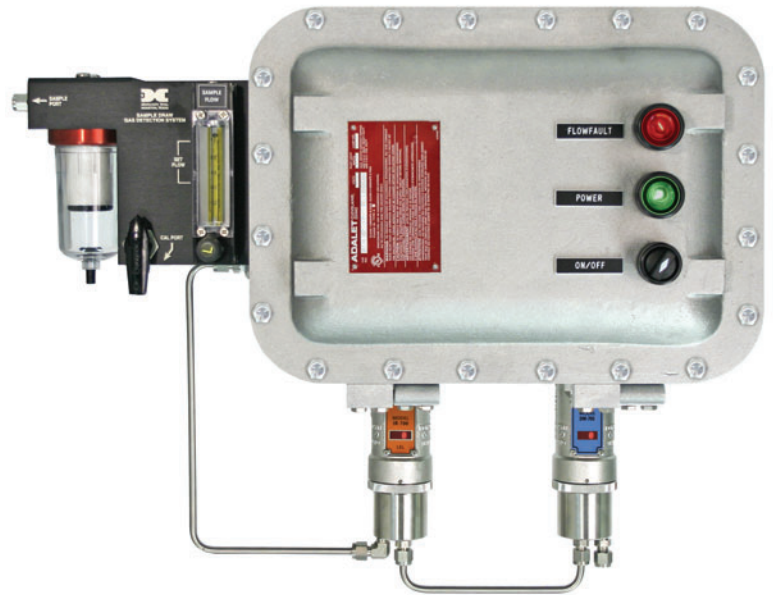




## Description

Detcon Model SD-1-N7 is a single sensor sample draw manifold (dual sensor available) designed for use with any one of a number of gas detection sensors including combustible gas, hydrogen sulfide, oxygen and a long list of toxic compounds. The sampling system utilizes an internal pump to draw air and gas samples from a remote location and flow the sample across the sensor at a metered flow rate. In use, the sample draw method allows for remote calibration and routine maintenance without exposing maintenance personnel to dangerous or difficult to access sampling areas. Sampling time is a function of the distance between the sample point and the sample draw manifold. Detcon Model SD-1-N7 is housed in a NEMA 7 explosion proof enclosure and is suitable for installation in hazardous locations: Class I; Division 1; Group C & D. The hazardous area rating allows for installation with a minimum distance to the sample point, which decreases delays in real time sampling.



## Features

- ▶ Power Input and Flow Fault Led Indicators
- ▶ Flow Fault Fail-safe Supervision
- ▶ In-line Moisture Filter
- ▶ Sample Pump Service Life > 3-5 Years
- ▶ In-line Flame Propagation Barriers

## Order Guide

971-071170-00L Single Channel  
972-071170-00L Dual Channel

## Options

- ▶ Single or Dual Channel
- ▶ Power Input - 12VDC, 24VDC, 220VAC
- ▶ High Sample Flow
- ▶ Teflon fittings & Tubing
- ▶ Sample Dilution
- ▶ Liquid Level Detector
- ▶ Molecular Sieve
- ▶ Loop Isolator
- ▶ Less Pump

## Specifications

- Electrical Classification**  
NEMA 7 Explosion Proof
- Dimensions**  
19.5"W x 16"H x 10"D
- Power Input**  
110 VAC Standard
- Operating Temperature Range**  
-40°C to +65°C; -40°F to +149°F
- Warranty**  
One Year

Houston ■ Odessa ■ Shanghai ■ Dammam ■ Del Carmen ■ UK