



BASELINE[®] 9130 SAMPLE CONDITIONER

Protect expensive instrumentation from costly damage due to sample impurities

APPLICATIONS

Delivers a particulate and moisture-free sample to up to four (4) gas analyzers

MOCON's Baseline[®] 9130 Sample Conditioner is an automated system designed to reliably deliver a low particulate and low moisture sample to up to four (4) gas analyzers (typical configurations are 1, 2, and 4 channels).

The Sample Conditioner provides a low maintenance sampling system that virtually eliminates the potential of costly damage to your analytical system.

As a safety feature, the incoming sample passes through a protection float switch, which will remove power from the sample pump in the event that large amounts of moisture or other fluids are pulled into the sampling system. This eliminates the possibility of damaging the filter system and more importantly the gas analyzers

being used. In conjunction with the protection switch, the system provides a Blow Back system to remove any contaminate build up by blowing it back to the source.

The heart of the Baseline[®] 9130 is the permeation dryer. The device consists of an inner tube surrounded by an outer tube of various inert materials. The water vapor is selectively absorbed into the walls of the inner tube and transferred to a purge gas stream. This transfer is driven by the difference in the partial pressures of the water vapor on opposing sides.

Features & Benefits

- Fully automated requiring minimal user intervention
- Up to four gas analyzers (1, 2 and 4 channel options)
- Micro-processor controlled
- Dries sample at 95% RH to 15% RH (approx. 85% efficient)
- Sample filtration to 5 microns
- Front panel display (instrument status & flows)
- Closed loop dryer configuration (no external clean, dry air required)
- Capacity to supply up to 3 LPM of filtered dry sample
- Inline protection float switch to prevent entrained fluids from entering the instrument through the sample line
- Programmable sample line blow-back timing
- Programmable automatic drain of primary coalescing filters
- Electronic flow monitoring:
 - Sample, Purge, Bypass, and Total flow
- I2C communication protocol for monitoring instrument status
- Switched power receptacle for control of external sample pump

BASELINE® 9130 SAMPLE CONDITIONER

Technical Specifications

FOR USE WITH:	Mocon's Baseline® 9100/9200 Gas Chromatographs or Baseline® 9000 Hydrocarbon Analyzers & others
DRYER	Permeation Dryer
OPERATING CONDITIONS	
ENVIRONMENT	Indoor use only Operating Temperature: 32 to 104 F (0 to 40 C) Humidity: 0-95%, non-condensing Maximum Altitude: 2000m
STORAGE/TRANSPORTATION TEMPERATURE	-40 TO 104 f (-40 to 40 C)
GAS SPECIFICATIONS AND CONNECTION	
BLOW BACK	Maximum pressure: 60 PSI (414 KPa) Max. Connections: 1/4" and 1/8" OD tube fitting connectors
TYPE/RATINGS	0 to 95% (non-condensing)
PHYSICAL	
DIMENSIONS	19"W x 19"D x 8.75"H (48.3cmW x 22.2cmH)
WEIGHT	< 40 lb (18.14 kg)
FOR USE WITH:	Intended to be installed in an enclosed/open type 10" instrument rack or bench mounted



Baseline® 9130 Flow Control Compartment



Baseline® 9130 Back Panel

