



PRESSURE TRANSDUCER SET-UP FOR API ANALYZERS

Tools Required: #2 Phillips Screwdriver
Potentiometer Screwdriver

1. TURN POWER OFF TO THE ANALYZER AND REMOVE THE COVER.

2. To calibrate the analyzer's pressure transducer:

2a. For models with internal pumps, disable pump by removing the clear insulated connector on Pin 2 of pump.

CAUTION: 115 VAC PRESENT WHEN POWER IS APPLIED TO ANALYZER.

For models with external pumps, remove tubing from exhaust port on rear of analyzer.

Regardless of analyzer type, the pump must be disabled. This is required so that the pressure within the analyzer will remain at ambient allowing the adjustment of the sensor to inches-of-mercury absolute. This method was chosen to avoid any ambiguities of pressure relative to ambient.

2b. Turn the power on to the analyzer. Scroll through the test functions until pressure is displayed and adjust R1 on the flow sensor assembly for the barometric pressure at your facility.

CAUTION

In order to ensure accurate, absolute pressure adjustment; barometric pressure at the location where the instrument is being adjusted must be used.

NOTE

The analyzer will function properly at any elevation once it is set-up correctly.

2c. Turn the power off to models with internal pumps and reconnect the clear connector to pin 2 of the pump. After reconnecting pin 2 to the pump, turn the power on to the analyzer. A drop of approximately .6" Hg absolute is typical after the pump is re-connected to 115VAC.

3. Follow the Quick Cal procedure to re-calibrate the analyzer if adjustment was necessary to the pressure transducer.