Technician Model
Portable Vacuum Gauge

Installation & Operation Manual

T̲able of Contents

Content of Package

- ◆ Portable Technician Model Vacuum Gauge
- ◆ AC Wall Transformer with 6 feet wire ending with a water-tight connector
- ◆ 3" of 1/8" tubing connecting a filter to the Vacuum Gauge
- ◆ 6' of 3/16" Tubing with a 3/16" Brass Hose Barb x 1/8" Male NPT

Other Models

If permanent Wall Mount Vacuum Gauge is preferred, see KF# 17914.

Portable Tech Model Digital Vacuum Gauge   *Rev 8.24*

General Information

The Portable Technician Model is designed to be able to easily check vacuum from dairy to dairy. It can measure up to 28" Hg of vacuum.

Features

♦ Option of using DeWALT or Milwaukee battery (not included)

♦ Unit will detect and automatically shut off if the battery is low.

♦ Quick-connect for power from an AC wall transformer (included) if no battery is connected. (9-26VDC)

♦ On/Off Switch

♦ Average button

♦ Graphic LCD

♦ Large readable display with adjustable contrast and backlight

♦ Optional unit of measure: InchesHg or KPA

♦ Resolution: 0.01" Hg or 0.1KPA

♦ Full Vacuum Range: 29.5" (Approx. –1 to 28.5") or 100 KPA

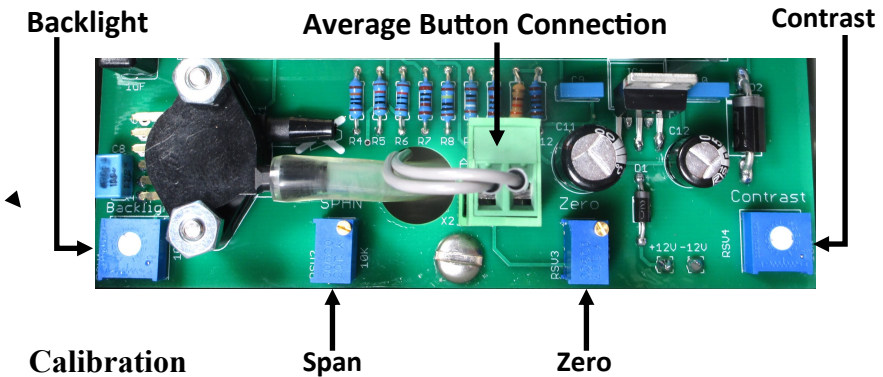♦ Easily calibrated in the field

♦ Unit is filter protected

Operation

Apply power with either a cordless tool battery or the wall transformer. Push the On/Off switch to on. Connect vacuum to the bottom side of the Disk Filter that is attached to the unit. Important! Unit should never be operated without a filter. While the filter is not essential to the operation of the unit, it will prevent unwanted objects / moisture from entering the unit! Open the lid and adjust the back light and contrast to the desired setting. (See picture below.)

 Turn Backlight pot clockwise for brighter, counterclockwise for darker.
Turn Contrast pot clockwise for more visible, counterclockwise for less

Calibration

Unit is factory calibrated. If calibration is needed:
Calibrate the gauge using the zero and span pots. (See picture above.)   With no vacuum applied the Screen should display 0.00" Turn zero pot clockwise to increase, counterclockwise to decrease. Apply 12" or higher of vacuum, use a calibrated meter to verify the vacuum level. Adjust span to match known level, clockwise to increase, counterclockwise to decrease.
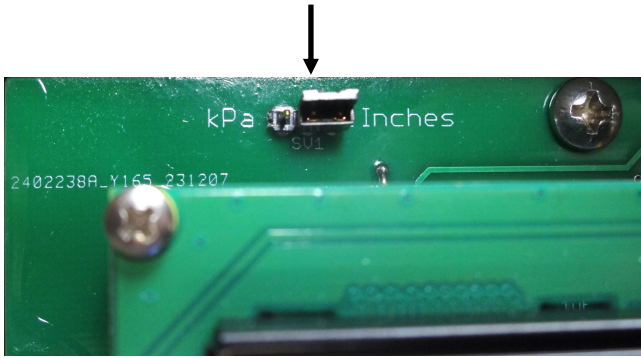Repeat procedure until display is accurate at 0.00" and high vacuum.

Average Button

Press average button to display an average of the last 5 seconds of vacuum.(For displaying average vacuum if system has minor fluctuations.)

Portable Tech Model Digital Vacuum Gauge   Rev 8.24

KPA

To display KPA on the screen, move the jumper on the top left corner of the board from Inches to KPA. (See picture below)

Cleaning

Unit is water resistant, but not waterproof. Do Not submerge or spray the unit with water or any kind of liquid. Clean with a damp cloth using a mild soap and water solution.
(Only on the outside of the unit)

Parts List

Part#   Description

17917 - Circuit board only for Technician Model Vacuum Gauge

17921 - Disk Filter

P02513NP - 3/16" ID x 5/16" OD Clear Kuritec Plastic Tubing

P02511NP - 3/16" Brass Hose Barb x 1/8" Male NPT

P02910NP - 1/4" Barbed Bulk Head Connector

Technical Support
888-768-3928
or
610-273-7016

888.880.3933

920-602-6724

This page intentionally left blank

This page intentionally left blank

Portable Technician Model Digital Vacuum Gauge

Installation & Operation Manual

Rev 8.24