

Main Components



Fittings Included



6035 Specifications

Compressor:

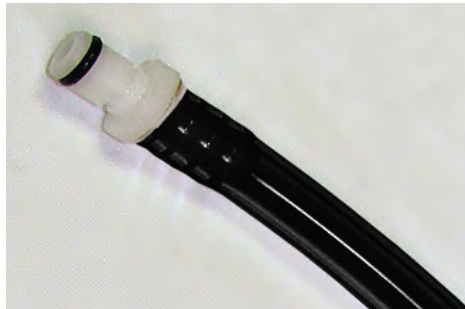
- **Type:** Battery Powered
- **Voltage:** 12 VDC
- **Free Air CFM @ 90 PSI:** 1.00
- **Free Air CFM @ 125 PSI:** 0.4
- **(F) NPT Outlet (in.):** 1/4
- **Unit Weight (lbs.):** 9
- **Design:** Oil Free
- **Motor RPM:** 4000
- **Motor Type:** Induction
- **Standards:** CSA
- **Length (in.):** 12
- **Width (in.):** 8
- **Height (in.):** 9

Manometer:

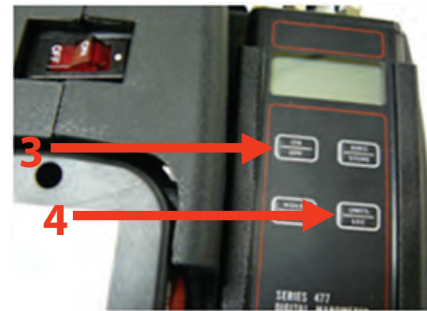
- **Service:** Air and compatible gases.
- **Accuracy:** 60 °F to 78 °F = ± 0.5% Full Scale
32 °F to 60 °F = ± 1.5% Full Scale
78 °F to 104 °F = ± 1.5% Full Scale
- **Pressure Hysteresis:** ± 0.1% Full Scale
- **Pressure Limits:** 100 PSI (2768 inches of water column)
- **Compensated Temperature Limits:** 32 °F to 104 °F
- **Storage Temperature Limits:** - 4 ° F to 176 ° F
- **Display:** 0.42" 4 digit LCD
- **Response Time:** 1 second
- **Power Requirement:** 9 volt alkaline battery
- **Agency Approvals:** CE and FM



1. Connect the 6035's 1/4" bubbler tubing (clear) quick-connect fitting to the mating quick-connect fitting at the wellhead. If there is not a mating fitting at the wellhead, use the fittings in the packet (included) to install a fitting onto the wellhead. This fitting should connect to the down-well bubbler tubing.



2. If the well is under vacuum or positive pressure, connect the 6035's 1/4" reference tubing (black) quick-connect fitting to the mating quick-connect fitting at the wellhead. If there is not a mating fitting at the wellhead, use the fittings in the packet (included) to install a fitting onto the wellhead. This fitting should connect to a vacuum/pressure reference port on the wellhead.



3. Press the ON/OFF button to turn the manometer on.

4. On the Manometer, press the "UNITS/LOC" button until the screen reads "INWC" (inches of water column).



5. Press the "ZERO/STORE" button to zero the unit.



6. Turn the compressor switch to the "ON" position. Compressor will run for approximately 2 seconds and turn off. The pressure gauge will read **115 PSI**.



7. Push the "PRECHARGE" button located on the front of the unit. Hold the button down until the reading stabilizes. This reading will be higher than the actual level. When the button is released, the reading will come down and stabilize.

NOTE: If the water depth is greater than 50 ft., the "PRECHARGE" button will need to be pushed 3-4 times after each stable reading.

NOTE: The compressor will turn on and off as needed to maintain the air pressure between 90 and 115 PSI.



8. Record the stable reading from the manometer. If the manometer reading does not stabilize, press the "PRECHARGE" button again.

9. Once the reading has stabilized and is recorded, turn the compressor switch to the "OFF" position.

10. Disconnect the 6035's tubing from the wellhead fitting(s).

11. The pressure gauge will still show a high pressure reading. To evacuate this air pressure quickly, push the "PRECHARGE" button.

12. The manometer reading is the distance from the liquid level to the bottom of the bubbler tube, expressed in "inches of water column". To calculate "depth to liquid", subtract the manometer reading from the distance between the wellhead reference point and the bottom of the bubbler tube.

Example: Bubbler tube length is **1,200 in. (100 ft.)** from a reference point at the well-head.

Manometer reading is: **240 in. (20 ft.)**

"Depth to liquid" = **1,200 in. – 240 in. = 960 in. (80 ft.)**