**BE 148-4 Installation Directions**

Handle the gauge with care. Dropping or jarring the gauge will damage it.

1. Prior to installation, **at least two layers of teflon tape MUST** be applied to threads. *(Figure 7)*
2. Screw Vacuum/Pressure Gauge into **BE 148-4 Adapter** and **HAND TIGHTEN**. *(Figure 8)*

3. Place a 9/16” or adjustable wrench on the **square fitting** next to the gauge case and a 3/4” or adjustable wrench on the **wrench flats** of the **BE 148-4 Adapter**. *(Figure 9)*

4. To finish tightening, turn top wrench clockwise while holding bottom wrench steady. *(Figure 10)*

**Notes:**
- **ALWAYS** use 2 wrenches to tighten a Vacuum/Pressure Gauge with a 1/4” NPT fitting into position.
- **NEVER** apply force on the gauge case to tighten into position.

**Cleaning Recommendations**

1. **DO NOT immerse gauge in any liquid.**
2. **Gauge Case Cleaning**
   - Wipe exterior of the gauge case with bactericidal or virucidal wipe.
3. **Gauge Crystal Cleaning**
   - DO NOT use alcohol or a solution containing phenols on crystal. Gently wipe crystal with bactericidal or virucidal wipe.

**Product Specifications**

<table>
<thead>
<tr>
<th>NS 60-TBS-CP Cuff Pressure Monitor</th>
<th>NS 60-TRS-CP Cuff Pressure Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gauge:</strong> Bottom Mount 1/4” NPT Gauge</td>
<td><strong>Gauge:</strong> Rear Mount 1/4” NPT Gauge</td>
</tr>
<tr>
<td><strong>Marks:</strong> Reads ± 60cm H₂O in 2 cm markings</td>
<td><strong>Marks:</strong> Reads ± 60cm H₂O in 2 cm markings</td>
</tr>
<tr>
<td><strong>Adapter:</strong> BE 148-4</td>
<td><strong>Adapter:</strong> BE 148-4</td>
</tr>
<tr>
<td><strong>Packaged:</strong> Individually</td>
<td><strong>Packaged:</strong> Individually</td>
</tr>
</tbody>
</table>

**Available:**
- **NS-SC Smooth Crystal**
  - Replacement for all NS Series Vacuum/Pressure Gauges used in Cuff Pressure Monitors

**BE 148-4 Cuff Pressure Monitor Adapter**

<table>
<thead>
<tr>
<th><strong>Gauges:</strong></th>
<th>Fits all 1/4” NPT Gauges</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material:</strong></td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td><strong>Packaged:</strong></td>
<td>Individually</td>
</tr>
</tbody>
</table>

**EXPLANATION OF SYMBOLS**

- Rx Only
- Reusable
- Non-Sterile
- Manufacturer

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**Non-Sterile Manufacturer**

**Instrumentation Industries, Inc.**

2990 Industrial Blvd. • Bethel Park, PA 15102

US Toll Free: 1-800-633-8577
Business: 1-412-854-1133

US Toll Free Fax: 1-877-633-8661
Fax: 1-412-854-5668
E-mail: sales@iimedin.com
www.iimedin.com

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**Reusable**

- **Not made with Natural Rubber Latex**
- **Not made with Di(2-ethylhexyl) phthalate (DEHP)**
A Indications for Use
During ventilation, the NS Series Cuff Pressure Monitors are devices used to periodically monitor endotracheal or tracheostomy tube balloon cuff pressure to assure an adequate seal between the tube and the tracheal wall.

B Contraindications
None known.

C How to “Re-Zero” a Vacuum/Pressure Gauge
If the Needle has moved away from zero, it can be re-zeroed.
1. Carefully remove Plastic Plug from the crystal. (Figure 1)
2. Insert a screwdriver blade into the set screw located at the 12:00 position. (Figure 2)
3. Turn the screw in the direction that allows the Needle to move the shortest distance back to zero. (Figure 3)
4. Replace the Plastic Plug.

Note: Under no circumstances should you attempt to move the Needle more than 180°. The internal workings of the gauge will be destroyed.

D Directions for Use
1. Verify that the Needle is set to zero. Re-zero if necessary. (see section C above)
2. Insert Cuff Pressure Monitor Adapter Pilot Line Connection into Endotracheal/Tracheostomy Tube Pilot Line Valve. (Figure 4)
3. The Gauge on the Cuff Pressure Monitor will register the cuff pressure.
   Note: Due to the inherent dead space of the Cuff Pressure Adapter, the Cuff Pressure will decrease when the monitor is initially connected.
4. If pressure reading is not optimal cuff pressure, insert a 10cc Syringe into Cuff Pressure Monitor Adapter Valve. (Figure 5)
5. On 10cc Syringe, gently depress Plunger to inflate cuff or retract Plunger to deflate cuff until desired cuff pressure is attained. (Figure 6)
6. Remove syringe when desired cuff pressure is achieved.
7. Remove Cuff Pressure Monitor from Pilot Tube Connection.

Figure 1
Figure 2
Figure 3

Figure 4
Figure 5
Figure 6

All illustrations are examples.