Figure A-51: Capacity Label Installed

Sealing the Enclosure

When the IND560 terminal is used in a metrologically "approved" application, it must be protected from tampering by use of seals. An optional sealing kit is available from METTLER TOLEDO. The kit (Part number 71209388) contains all the required hardware. The method used for sealing will vary depending upon local requirements. The IND560 supports two methods of sealing – external and internal.

External sealing is approved in the United States and Canada; however, when the terminal is sealed externally, non-metrological components cannot be serviced without breaking the seal. In Europe, internal sealing is possible, which permits access to non-metrological components without breaking the seal. Check with local authorities to determine which sealing method is appropriate.

External Sealing of the Panel-Mount Enclosure

The panel-mount enclosure supports both two- and three-screw external sealing for the United States and Canada. For external sealing of the panel-mount enclosure, refer to Figure A-52, Figure A-53, and Figure A-54 and follow these steps:

1. Ensure that the appropriate approval region has been selected in setup under Scale, Type, Approval and that the Metrology security switch SW1-1 is in the "on" position.
2. Replace the three Phillips-head screws that secure the rear panel to the enclosure with the three through-hole screws provided in the sealing kit.
3. Thread the wire cable and plastic seal (Figure A-52) included with the kit through the holes in the new screws. The U.S. requires use of only two of the screws (Figure A-53), Canada requires use of all three (Figure A-54).
4. Thread the end of the wire cable through the plastic seal and snap the seal shut.

Figure A-52: External Sealing Wire

Figure A-53: External Sealing for United States

Figure A-54: External Sealing for Canada

External Sealing of the Harsh Enclosure

For external sealing of the harsh enclosure, refer to Figure A-52 and Figure A-55 and follow these steps:

1. Ensure that the appropriate approval region has been selected in setup under Scale, Type, Approval and that the Metrology security switch SW1-1 is in the "on" position.
2. Thread the end of the wire seal through the hole in the bottom edge of the IND560 front panel.
3. Thread the end of the wire seal through the hole in the center clip of the IND560 front panel.
4. Remove the slack between the wire seal and the front panel, and press the panel down to the enclosure so that it snaps in place in all four corners.
5. Thread the end of the wire cable through the hole in the plastic seal (as shown in Figure A-55), remove any remaining slack in the wire, and snap the seal shut.
6. Trim off any excess wire.

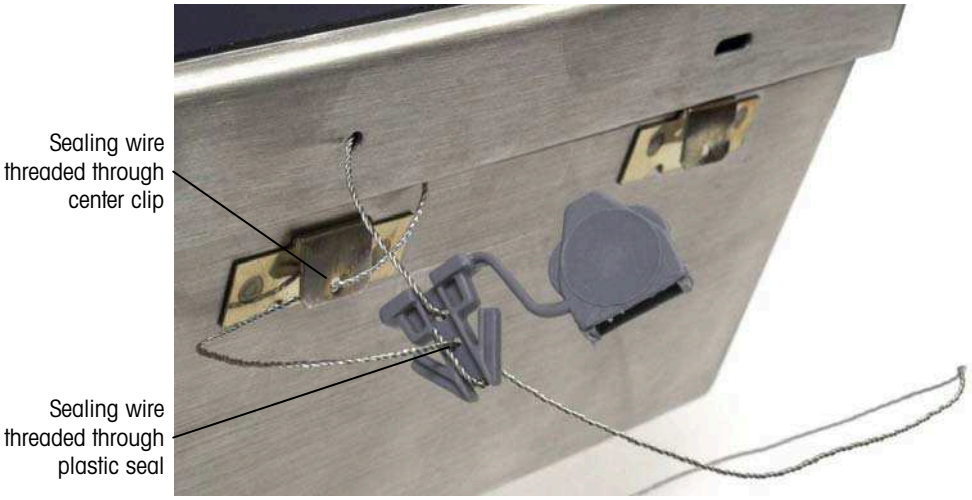

Figure A-55: Harsh Enclosure Seal Threaded and Ready to be Closed

Internal Sealing of Both Enclosure Types

Both the panel-mount and harsh enclosures are sealed the same way when sealed internally. Follow the procedures described below.

Main PCB Switch Sealing

1. Ensure that the appropriate approval region has been selected in setup under Scale, Type, Approval and that the Metrology security switch SW1-1 is in the "on" position.
2. On the panel-mount terminal, remove AC power and remove the main board to apply the internal seal. This step is not necessary for the harsh enclosure.
3. Attach the plastic bottom sealing plate to the Main board as shown in Figure Figure A-56.

Figure A-56: Attaching the Plastic Bottom Sealing Plate

4. Place the small metal sealing plate from the sealing kit over the plastic standoff beside the metrology security switch as shown in Figure A-57.

Figure A-57: Metal Sealing Plate

5. Screw the long sealing screw through the hole in the small metal plate through the main board and into the plastic locking plate beneath the board.
6. Thread the wire cable through the hole in the sealing screw and the plastic post as shown in Figure A-58.

Figure A-58: Sealing Wire

7. Remove any slack in the wire and snap the seal shut.
8. Reinstall the main board in the panel-mount enclosure.
9. Seal W1, the millivolt jumper, as shown in Figure A-59.

Figure A-59: W1 Millivolt Jumper – Unsealed (left) and Sealed (right)

Analog Load Cell Sealing

When using analog load cells, remove the backing paper from the paper seal included in the sealing kit and place it over the load cell terminal strip connector so that it covers the heads of the terminal screws and also secures the connector to the plastic plate of the IND560, as shown in Figure A-60.

Figure A-60: Analog Load Cell Paper Seal

IDNet Connector Sealing

1. When using IDNet bases, the IDNet connector board must be removed from the rear panel in order to apply the paper seal. Remove the backing paper from the two paper seals included in the sealing kit and place the seals over both ends of the internal IDNet harness in the IND560 as shown in Figure A-61.

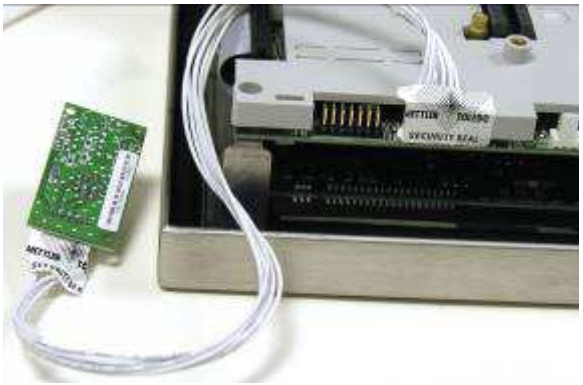

Figure A-61: IDNet Paper Seals

2. For IDNet bases in Europe, the plastic IDNet Sealing Kit (Part number 22000386) must be used to secure the IDNet cable to the IND560 terminal. For proper installation, follow the instructions supplied with that kit. The IDent code for the base can be viewed on the Metrology Recall display of the terminal.