

Western Instruments

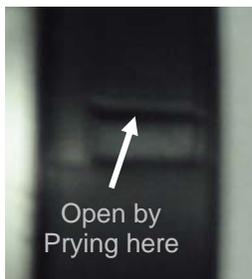
www.westerninstrument.com

Established 1965

Battery Changing Instructions

Western Instruments' Digital Dial Indicators (Pit Gauges) use a 1.5 Volt Battery, with various designations such as 357, AG-13, A-76, LR-44, V13GA and RW-82, with LR-44 being the most popular. These batteries are approximately 11.6mm (0.45") diameter x 3mm (0.21") high. The Battery Compartment and holder is located at the 11:00 O'clock position (or 350°). An operator knows it is time to change the battery when the display starts to flash on and off every second.

A new or spare battery must be enclosed by the manufacturer's packaging or inside a small plastic bag. If the contact surfaces of the battery are allowed to 'short', the battery will rapidly discharge, may leak, and will certainly fail.



The Battery is held in place by the Battery Cover's integral holder. The cover is removed by gently prying on the bottom portion of it, as illustrated to the left. The cover is plastic and if excessive force is used, the cover may be damaged. The operator uses a small knife or a flat blade type screw driver to pry at the cover, which will snap open and rotate upwards toward the top of the indicator. First time openings may be difficult, but after 2 or 3 changes, your fingernail will open the cover.

The picture to the right shows the Battery and Battery Holder positioned and ready to insert into the Digital Indicator. Here, the ground is facing you in the picture (flat side), and is formed by the body of the battery. The 'Button' on the opposite side of the battery is the positive contact, and operators will note that it contacts the Printed Circuit Board inside the Digital Indicator's housing.

If the battery is not positioned correctly, the contact on the Circuit Board may be sheared off, and when the holder is removed, it may take the ground contact with it. This is the second most common reason for failure, with dropping the Pit Gauge being most common.



The picture to the left shows the Battery and Battery Holder ready to be pushed home, which will result in this assembly 'snapping' into position. Again, ensure the Battery and Holder are positioned correctly. Note from the picture that the assembly rotates down to close (up to open).

If you have trouble with battery changes, contact your Western Instruments Pit Gauge Distributor.....he's the expert.