

# VISI-TRAK<sup>®</sup> SENSOR INSTALLATION

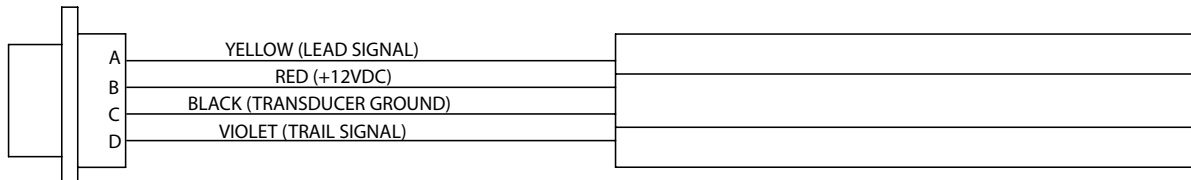
## CAUTION:

The transducer has internal “sensing heads” which generate independent output signals, so it is important that the flat edge is positioned properly.

Overtightening of the set screw will result in damage internally and the transducer will no longer function.

Additionally, “floating” a sensor by not tightening the set screws according to the instructions may cause the sensor to loose gapping due to excessive machine vibration.

## SENSOR WIRING:



## INSTALLATION INSTRUCTIONS:

### Preparation for Installation

The transducer has already been pre-tested at the factory and a small sticker should be located on the face. This sticker provides the recommended gapping distance (.005) between the rod and the transducer.

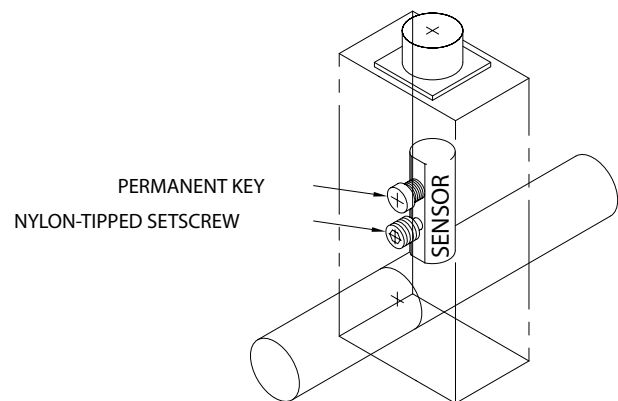
If the sticker does not exist, proceed to install 2 layers of Scotch tape (.0025 per piece) on the face and make sure the tape covers the face only.

**CAUTION:** Any tape located on the sides of the transducer body may prevent proper insertion of the transducer into the transducer mounting block due to the close tolerances that exist.

### Step-by-Step Installation

1. Inspect the transducer hole on the mounting block to ensure it is free and clear of debris or oils.
2. Carefully insert the transducer into the hole and rotate until the flat edge lines up with the permanent alignment key.
3. **NEW:** Insert the transducer until it touches the rod. **IMPORTANT:** Due to a change in magnet placement, for increased sensitivity, the magnet will no longer pull the transducer to the rod.
4. Ensure the transducer is in contact with the rod perpendicular to the direction of motion.
5. Hold the transducer in place and tighten the nylon tipped set screw as shown in Figure 1.

FIGURE 1



This block uses a permanent alignment plug and nylon-tipped setscrew.

This method ensures the sensor is mounted with the flat properly orientated.

**IMPORTANT:**  
**DO NOT OVERTIGHTEN**  
**NYLON TIPPED SETSCREW**