

Calibrating Signal Conditioners for Weld Bodies With 50 mm Weld Pin Stroke

Note: The Signal Conditioner can be either a stand alone device (Fig. 1), or incorporated within MicroView, NetLink, or Signal Conditioner Enclosure (SCE) (Fig. 2)

Most of the CenterLine LVDT weld bodies have a 22 mm weld pin stroke. However, some weld bodies are offered with a **50 mm weld pin stroke**, such as:

- **SXZR** weld body (50 mm weld pin stroke only)
- **Clamp Mount** weld body (22 mm or 50 mm weld pin stroke).

By default, all Signal Conditioners are calibrated for use with 22 mm weld pin stroke.

If your LVDT has a 50 mm weld pin stroke, or if, for any other reason, the Signal Conditioner needs to be recalibrated, please follow the instructions below.

(**Note:** The Calibration mode can be cancelled at any time by pressing the 'A' and 'B' buttons simultaneously for 3 seconds).



Fig. 1 – Signal Conditioner

Signal Conditioner Calibration Instructions:

1. Power up the equipment and allow for 3 minutes of warm up time.
2. Enter the Calibration mode by pressing and hold both 'A' and 'B' buttons until the 'OPER' light flashes (see Fig. 1).
3. With the weld pin FULLY EXTENDED, press the 'B' button once.
4. Wait until the three flashing lights (+ , NULL , -) stop blinking.
5. With the weld pin FULLY RETRACTED, press the 'A' button once.
6. The 'OPER' light will now become solid and calibration is complete. The unit exits Calibration mode automatically.



For more details, refer to the *VeriFast LVDT User Manual*. If necessary, the *VeriFast MicroView 1.0 User Manual* is also available at CenterLine.

Fig. 2 – Control Solutions that can incorporate Signal Conditioners