

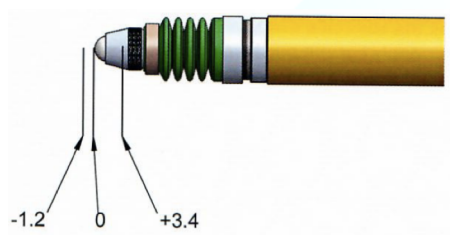
General Transducer Information

Gauging Transducers

Pretravel

All our gauging transducers are drawn in the <<electrical zero>> position. The stated pre-travel indicates the transducer position without applied vacuum or pneumatic pressure.

The transducer 3TLX10A, drawn below is in <<electrical zero>> position and has -1.2 mm pre-travel and a total mechanical stroke of 4.6 mm.



Linearity error

Is the deviation between sensor signal and the real mechanical position of the tip. Stated errors are always relative to the stroke. Each manufactured transducer is delivered with a measuring protocol.

Repeatability

Is the variation of the sensor output signal when the tip is mechanically repositioned exactly, multiple times. Repeatability errors are due to mechanical tolerances and hysteresis of materials in the coil arrangement.

Tip M2.5

The 3TLX07-PLG, 3TLX10-PLG, 3TL10-PLG, 3TLX20-PLG, and 3TLX50-PLG series transducers have on the shaft a M2.5 thread for fixing the tip. The drawing underneath shows the thread arrangement.

