



Axial Driver Selection Guide

Axial Drivers are available for FFv, 8 mm, and 11 mm proximity probe systems.

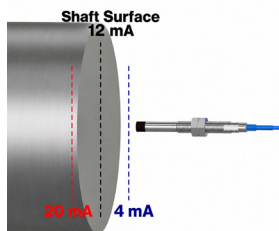


This Current driver option provides a current loop signal, in addition to the voltage output as seen on the voltage drivers, proportional to axial displacement relative to a defined zero (reference) position.

The midpoint of the output (12 mA) corresponds to the defined zero position (typically near the nominal gap voltage, e.g., ~-9 V). The output then scales linearly with displacement away from this reference:

For a unit specified as "0 $\pm$ 25 mils":

- 4 mA corresponds to -25 mils (movement toward the probe)
- 12 mA corresponds to 0 mils (reference position)
- 20 mA corresponds to +25 mils (movement away from the probe)

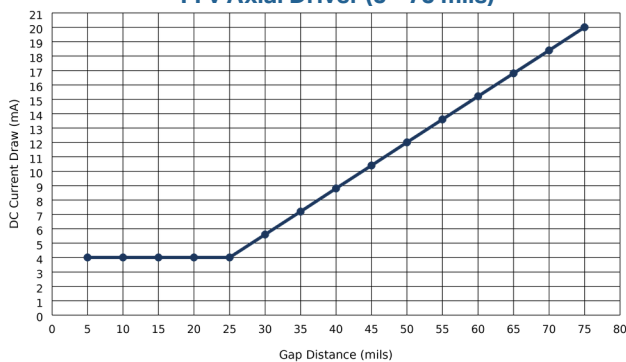


In the thrust position the probes auto-range to the face of the shaft or thrust collar and the 4-20 is proportional to the positive or negative vibration away or toward the probe, as shown.

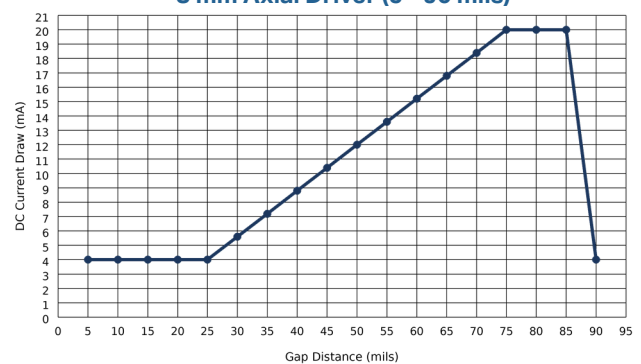
Note, current will be 90 degrees out of phase for axial driver.

TYPICAL RESPONSE CURVES

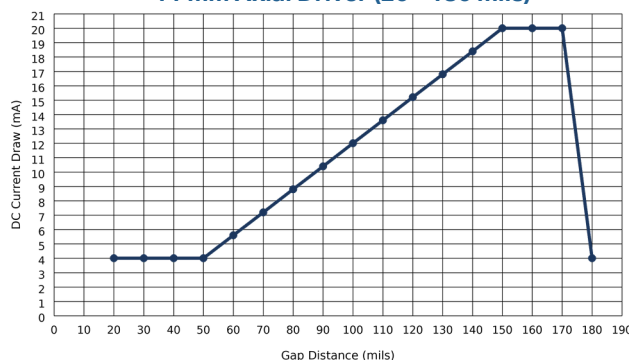
FFv Axial Driver (5 - 75 mils)



8 mm Axial Driver (5 - 90 mils)



11 mm Axial Driver (20 - 180 mils)



The output is only guaranteed to be linear within this specified $\pm$ range. Outside of this range, current signal performance is not defined.