

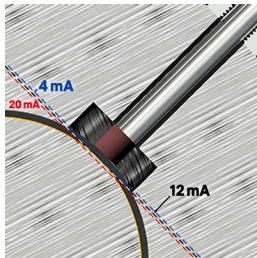


4-20 mA Proportional to DC Gap Driver Selection Guide

4-20 mA Proportional to DC Gap 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, that is proportional to the DC gap distance between the probe tip and the target.



Probe showing proportional output for the 4-20 mA signals.

With shaft surface at 50 mils, 4-20 output is 12 mA.

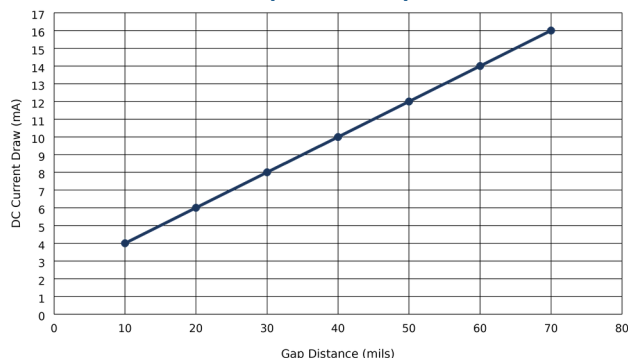
If the gap increases to 70 mils, 4-20 output will be 16 mA.

Note: Current will be 180° out of phase for 4-20 mA drivers.

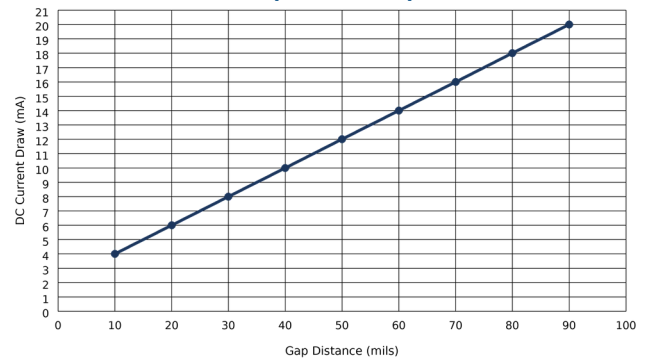
The output is linear across the calibrated probe range (e.g., 10 - 90 mils), with 4 mA and 20 mA corresponding to the minimum and maximum limits of that linear range, respectively. The midpoint of the gap range corresponds to approximately 12 mA.

TYPICAL RESPONSE CURVES

FFv 4-20 mA Proportional to DC Gap Driver (10 - 70 mils)



8 mm 4-20 mA Proportional to DC Gap Driver (10 - 90 mils)



11 mm 4-20 mA Proportional to DC Gap Driver (20 - 180 mils)

