



Radial Driver

Selection Guide

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



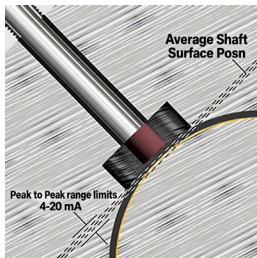
This Current driver option provides a current loop signal, in addition to the voltage output as seen on the voltage drivers, proportional to peak-to-peak shaft displacement (vibration) in mils. The probe must be set to its midpoint gap (nominal DC voltage, typically ~ 9 V), such that the 4–20 mA output represents dynamic motion about this average position.

The “Full Scale Range” specifies the pk-pk displacement corresponding to 20 mA.

For example, a 0–5 mil pk-pk unit will output:

- 4 mA at 0 mil pk-pk (no vibration)
- 12 mA at 2.5 mil pk-pk
- 20 mA at ≥ 5 mil pk-pk

Note: This output is not valid for low-frequency motion (typically below 50 Hz), where dynamic measurement accuracy is reduced.



In radial applications, the probe drivers select the average shaft surface distance and the 4–20 is proportional to the overall peak-to-peak vibration in mils around the average surface of the shaft. Note, phase is not applicable for radial drivers