

Split Collar Telemetry & Induction System

Model TEL-SC

- Split Collar Hoop has built in telemetry & induction power system
- Hoops can be made to fit shafts with diameters of 0.9" (23mm) and larger
- Digital wireless link provides accurate error free data transmission
- Integrated strain gage or thermocouple drivers with differential amplifiers
- Low profile design
- Single or multiple channels available



Description

The *Split Collar Telemetry and Induction System* is a reliable, convenient, and accurate way to get signals off of rotating shafts. *TEL-SC* is a non-contact system that allows the users to remove the system without modifying or disassembling larger shaft ends. The *TEL-SC* has all the long term testing advantages of an induction system without having to make a custom induction system for each shaft. The *TEL-SC* can be moved and mounted to different shaft of the same diameter or smaller with the use of bushings.

The *TEL-SC* can be made to fit a wide variety of shafts. It can fit larger diameter drive shaft and small diameter half shafts. It has a slim profile, with a radial thickness as small as 0.475".

The *TEL-SC* can be purchased in conjunction with Michigan Scientific's strain gage and calibration services, or alone to accompany customer installed sensors.

The *TEL-SC* utilizes Michigan Scientific's *M-320 Series Digital Telemetry*. Split Collar Hoops below 3" in diameter are limited to 3 channels. Larger Split Collar hoops can incorporate up to 12 channels.

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Application Examples



1.2" Split Collar installed on an automotive half shaft with a double loop induction primary coil.



3.5" Split Collar Telemetry System installed on a wind turbine drive shaft with a "paddle" style induction primary coil.