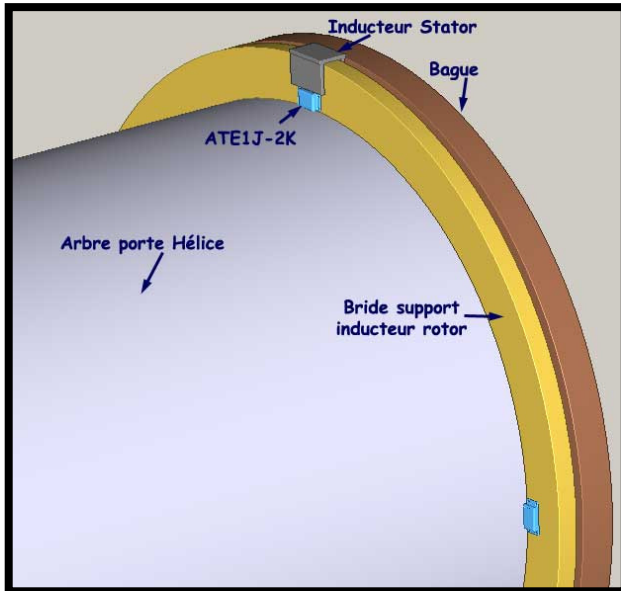


Torque Measurement at the propeller Shaft



Installation Flexibility :

- Temperature compensating calibration increase accuracy across the operating range

ATCOM TELEMETRY Systems driveshaft torque measurement system has been developed with the benefit of extensive racecar testing. The torque measurement system provides market leading performance through highly accurate, reliable and direct measurement. Installation can be internal or external to the driveshaft maintaining flexibility of application.

System Specifications :

Maximum sample rate 2000Hz
 Resolution : 11 bits
 Full Scale Output $-5/+5V$
 Supply current < 30 mA by transmitter
 9 – 18 Volt supply range
 Maxi operating temperature 85 °C

Driveshaft Specifications :

Transmission : digital PCM – FSK
 Transmission power : 5 mW
 Line-of-sight distance : 20 m
 Power Supply : Induction
 Maximum operating temperature 125 °C
 RPM range : 3500 revolutions/min
 Humidity : 20.. 80% no condensing
 Sealed to IP65