

TELEMETRY SYSTEM

TORQUE MEASUREMENT SYSTEM



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 $< 70\text{ mA}$
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
Internal battery : 150 hours operational
Maximum operating temperature 125°C
Maximum shaft rotational speed 16000 tr/min
Humidity : 20.. 80% no condensing
Sealed to IP65