



Data Logger Quick Comparison Chart

	TSR PRO	TSR PRO-HB	TSR 6DXP	TSR 6DXC	DDR
Standalone Data Logger	✓	✓	✓	✓	✓
Accelerometer (Triaxial)	±20, ±50 or ±250 g	±500 g	±6000 g	±6000 g	±200 or ±400 g
Angular Motion (Triaxial)	---	---	±18000 deg/sec	±18000 deg/sec	±15000 rad/sec ²
Pressure Sensor	---	---	100 psia	---	---
Sampling Rates	1 - 20 ksps Adjustable	5 - 20 ksps Adjustable	75 ksps Fixed	75 ksps Fixed	100 - 5,500 sps Adjustable
Resolution	16-bit ADC	16-bit ADC	12-bit ADC	12-bit ADC	12-bit ADC
High Shock Rated	2000 g	2000 g	10000 g	10000 g	10000 g
High Bandwidth	—	✓	✓	✓	—
Real Time Clock + Temperature	✓	✓	✓	✓	✓
Rechargeable Battery Option	✓	✓	✓	✓	✓
Primary Battery Option	✓	✓	—	—	—
Non-Volatile Memory	1 GB	1 GB	1 GB	1 GB	8 Mb
Compact & Lightweight	237 grams	237 grams	200 grams	420 grams	2.5 grams
USB Communication	✓	✓	✓	✓	
CAN Bus Communication	—	—	—	✓	—
Wireless Comm. & Charging	—	—	—	—	✓
Daisy-Chain Modules	—	—	—	✓	—
Operating Temperature	-20 to 60 C	-20 to 60 C	-30 to 60 C	-30 to 60 C	-20 to 60 C
Environmental	IP67	IP67	IP67	IP67	IP67