ARS QUICK REFERENCE CHART

MODEL	RANGE	BANDWIDTH	NOISE (full scale over rated bandwidth)	APPLICATIONS
ARS PRO-300	± 300 deg/sec 5.2 rad/sec	0-300 Hz	< 0.06%	• Lower rate dynamic measurements • Accurate during linear acceleration • Vehicle handling, NVH • SAE J211/ISO 6487 CFC 180 measurements
ARS PRO-1500	± 1500 deg/sec 26.2 rad/sec	0-2000 Hz	< 0.15%	• Medium rate dynamic measurements • Accurate during linear acceleration • NHTSA specific for FMVSS 202a rear impact test • SAE J211/ISO 6487 CFC 1000 measurements
ARS PRO-8K	± 8000 deg/sec 139.6 rad/sec	0-300 Hz	< 0.15%	• High rate dynamic studies • Whole body motion during impact • Vehicle crash, sled testing • SAE J211/ISO 6487 CFC 180 measurements
	± 8000 deg/sec 139.6 rad/sec	0-600 Hz	< 0.20%	• High rate measurements requiring higher bandwidth • Accurate during linear acceleration
	± 8000 deg/sec 139.6 rad/sec	0-2000 Hz	< 0.30%	• High rate measurements requiring higher bandwidth • Accurate during linear acceleration • Test dummies, headform impacts • SAE J211/ISO 6487 CFC measurements
ARS PRO-18K	± 18000 deg/sec 314.2 rad/sec	0-300 Hz	< 0.35%	• High rate dynamic measurements • Accurate at high linear acceleration levels • Biomechanics tests requiring high rate measurements • SAE J211/ISO 6487 CFC 1000 measurements
	± 18000 deg/sec 314.2 rad/sec	0-2000 Hz	< 0 .35%	• High rate dynamic measurements • Accurate at high linear acceleration levels • Biomechanics tests requiring high rate measurements • SAE J211/ISO 6487 CFC 1000 measurements
ARS HG-50K	± 50000 deg/sec 872.7 rad/sec	0-2000 Hz	< 0.15%	• Extreme environments, heavy –duty mounting • Accurate at very high linear acceleration levels • Blast, fuze, and munitions testing • SAE J211/ISO 6487 CFC 1000 measurements