Force/Torque Indicator Comparison Chart

REV 1

	Model 7i Professional	Model 5i Advanced	Model 3i Basic
Accuracy (% of full scale + sensor)	±0.1%	±0.1%	±0.2%
Sampling rate	14,000 Hz	7,000 Hz	2,000 Hz
Resolution	up to 1/2,000, depending on sensor	up to 1/2,000, depending on sensor	1/1,000
Compability with Mark-10 sensors via Plug & Test™ Technology	✔	✔	✔
Data outputs	USB, RS-232, Mitutoyo, analog	USB, RS-232, Mitutoyo, analog	USB
ASCII command set for external communication	✔	✔	"?" command only (for continuous or individual data point output)
Data capture & storage capabilities	Continuous data capture at up to 14,000 Hz, with buffer, or individually saved readings, 5,000 readings total*	1,000 individually saved readings	✘
Statistical calculations and output to PC	✔	✔	✘
Break detection*	✔	✘	✘
1st / 2nd peak detection*	✔	✘	✘
Programmable footswitch command string	✔	✘	✘
Averaging mode	✔*	✔	✘
External trigger mode	✔**	✔	✘
Set points (for pass / fail indication)	Yes, with high / low indicators, markers on analog bar graph, and outputs	Yes, with high / low indicators, markers on analog bar graph, and outputs	Yes with high/low indicators, markers on analog bar graph, no output
Password Protection, for keys and calibration	✔	✔	✘
Sensor password protection	✔	✔	✔
Overload outputs, w/separate pins for each direction	✔	✔	✘
Units of measurement	7, including coefficient of friction unit and user-defined unit	5	3
Peaks and analog load bar always shown on display	✔	✔	✔
Included items	Carrying case with AC adapter, rechargeable battery, and certificate of conformance	Carrying case with AC adapter, rechargeable battery, and certificate of conformance	Carrying case with AC adapter, rechargeable battery, and certificate of conformance

* With configurable automatic data output, data storage, and zero function upon event completion. Can also stop travel of a motorized test stand.

** Can stop travel of a motorized test stand upon event completion.