

SPECIFICATIONS

RibEye™ Multipoint Noncontact Two-Axis Electro-Optical Deflection Sensor/Recorder for Hybrid-III 5th Female Dummy

Components	Two sensor heads mounted on spine box
	LED measurement points at user-defined locations
	Control box mounted inside top of spine box
	External interface box with trigger/power/communications connectors
Measurement points	12 LEDs; X and Y position data reported for all points
Accuracy	+1 mm over the measurement range
Measurement range	
X axis	up to 65 mm of chest compression
Y axis	+66 mm from center of spine
Z axis	top rib to bottom rib
Sample rate	10 kHz per LED measurement point
Acquisition time	1 second (1000 ms)
	90 ms pre-trigger
	910 ms post-trigger
Data storage	1 second non-volatile (flash) memory
Extended storage options	6 seconds in flash memory
	30 seconds in RAM
Power supply	9-36 V d-c
	3 W (collecting)
	0.25 W (idle)
Communications	10/100 Mbs Ethernet (RJ45 jack)
	Any web browser for set-up, monitoring, and control
	Telnet port for test automation
Data download	FTP server
Data format	Comma-delimited text file with time-stamp
	X and Y data for all points in engineering units (mm)
Temperature range	
Max. accuracy	65°-85°F (18°-29°C)
Operating range	0°-100°F (-18°-38°C)

Note: Specifications are preliminary

LED = light-emitting diode