DATA LOGGERS
SIMPLE LOGGER® DATA LOGGERS

MODELS SL20 TO SL50

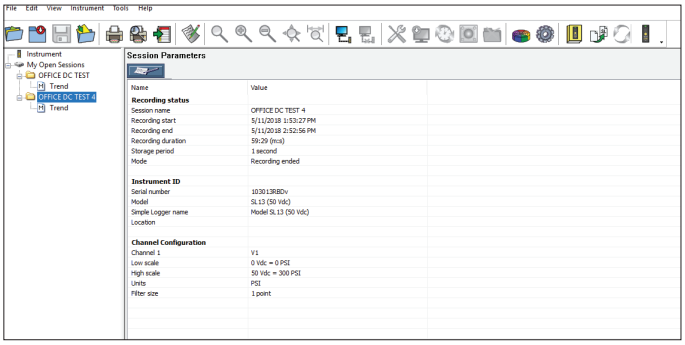
Models available for logging DC Current, Temperature, Pulse and Events

Model SL20 Model SL30 Model SL31 Model SL40 Model SL50

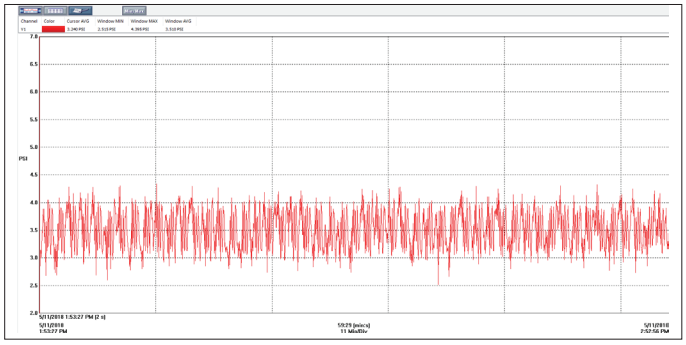
SPECIFICATIONS

MODELS	SL20	SL30	SL31	SL40	SL50						
					Thermocouple Type:						
					J	K	N	T	E	R	S
	CURRENT	PULSE	EVENT	TEMPERATURE							
Range	±20 mA	Contact closure, 0 to 5 VDC	Contact closure, 0 to 5 VDC	-94 to 1022°F (-70C to +550C)	-346 to 2192°F (-210 to 1200°C)	-328 to 2502°F (-200 to 1372°C)	-328 to 2372°F (-200 to 1300°C)	-328 to 752°F (-200 to 400°C)	-328 to 1832°F (-200 to 1000°C)	32 to 3200°F (0 to 1760°C)	
Resolution	0.02 mA	n/a		0.1°C	0.1°C						
Accuracy	±(0.5% of Reading +0.1mA)*	n/a		±(1% of Reading + 1.8°F [1°C])*	Below -148°F (-100°C): ±(0.4% of Reading + 9°F [5°C])*					32 to 212°F (0° to +100°C): ±(0.3% of Reading + 18°F [10°C])*	
					-148 to 212°F (-100° to 100°C): ±(0.3% of Reading + 7.2°F [4°C])*						
					Above 212°F (100°C): ±(0.2% of Reading + 5.4°F [3°C])*					Above 212°F (100°C): ±(0.2% of Reading + 14°F [8°C])*	
Maximum Input	25 mADC	10 VDC		n/a	1 V						
Input Impedance	49 Ω	800 KΩ		n/a	800 KΩ						
Power Source	Internal: Two 1.5 V AA non-rechargeable batteries External: USB 2.0 (computer or other power source, when powered by the USB the battery is automatically disconnected)										
Power Consumption	Internal power: 1 mA (average) External power: 100 mW										

*Accuracy is specified with the 10-point filter selected to reduce noise.



Shows the current configuration of the logger.



Typical real-time trend graph.

CATALOG NO.	DESCRIPTION	CATALOG NO.	DESCRIPTION
2156.20	Simple Logger Model SL20 (Current, 4 to 20 mADC)	2156.40	Simple Logger Model SL40 (Temperature, RTD/PT1000)
2156.30	Simple Logger Model SL30 (Pulse)	2156.50	Simple Logger Model SL50 (Temperature, Thermocouple)
2156.31	Simple Logger Model SL31 (Event)		