



Spark® Family of Noise Dosimeters

Seven Models, Five Doses... One Choice.

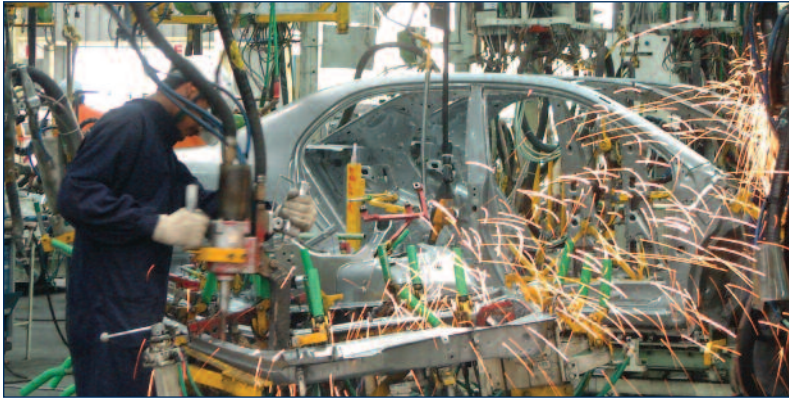


Highlights

- Complete range of solutions – 7 models available! (Simple to advanced, all intrinsically safe)
- Five simultaneous dose calculations – Multiple exchange rates, thresholds from every test
- User-friendly Blaze® software – Produce concise reports across your organization with no additional license fee
- Up to 100-hour runtime on two AA batteries – Maintains data indefinitely
- Most rugged tamperproof dosimeter available
- Interactive IR communication saves time and money!
- Unobtrusive, lightweight, and ergonomically designed



Spark® Dosimeters



Spark® 705 & 705+ Super-duty Noise Dosimeters

These incredibly rugged, micro-sized Sparks® are the perfect choice for personal noise exposure sampling in the most extreme and hostile industrial environments.



Features

- Incredibly rugged, watertight housing
- Very compact and easy to use
- Universal noise exposure results using your choice of multiple dose parameters
- Both models intrinsically safe
- High speed IR data transfer without a cable
- Outstanding reports and analysis using Blaze® software
- Massive memory allows more than a week of sampling - on all three shifts
- Detachable microphone

Completely sealed in an extruded metal housing, with no controls or display to tamper with or damage, the basic Model Spark® 705 is programmed to start automatically and gather noise exposure data unobtrusively, time after time. Capable of storing up to fifty separate tests in a memory that can never be accidentally erased, even with the battery removed, the 705 creates a concise, one-page report with all your compliance data and a clear graphical picture of your noise exposure profile.

For even more versatility and power, the revolutionary Spark® 705+ remote-response capability is the way to go. Imagine reading data from individual dosimeters, even as they're being worn by the worker, from up to three feet away! Using the Spark® 706RC companion dosimeter as a 'Master Controller', multiple 705+ units can be started, stopped, uploaded and reset - anytime, anyplace. Then, transfer all the individual tests stored in the master unit to your PC when it's most convenient, adding unique descriptors and notes to each test, even as the still-deployed 705+ units continue to gather more samples. You'll see a dramatic increase in the amount of sampling you can accomplish in the shortest possible time!

For maximum survivability, combined with comfort and small size, the Spark® 705's can't be beat. Add to that their superior reporting capability, flexible deployment options and ease-of-use, and you'll agree, there's a more efficient way to monitor workplace noise exposures – smarter, faster, and better.

Spark® Dosimeter 'Combo-paks'

Take full advantage of the interactive infrared communication capability with our 'Combo-paks', consisting of multiple 705+ Remote Response Dosimeters and a single 706RC Master Controller, which performs triple duty as a stand-alone dosimeter, and integrating sound level meter, too !





Spark® 706



Spark® 706 Noise Dosimeters

Fully-featured dosimeter with or without on-board display

The Spark® 706 personal noise dosimeter makes workplace noise exposure measurements more convenient and cost-effective than ever before. Combining a full range of advanced features with an ergonomic design, the ultracompact 706 is well accepted by workers and Industrial Hygiene and Safety professionals everywhere.

Constructed in a tough yet lightweight housing similar to that of a cellular phone, Spark® dosimeters are certified as intrinsically safe for rugged, "go-anywhere" use. The 706's bold, graphical LCD display provides back lighting on demand for high visibility in any environment, and operator prompts are displayed in "plain English" - for fast, easy setup and simple control.

With multiple simultaneous dose calculations, ceiling and peak level displays, as well as continuous data logging, the 706 computes compliance results for any standard, present or proposed - and with quick IR download using Blaze® software, a selection of concise, easily understood reports and color graphs are created for your review.

These dosimeters deliver an incredible battery life of over 100 hours continuous use on just two AA alkaline cells - saving money and maximizing your sampling time. And, with Interactive Infrared Communication, multiple dosimeter data retrieval is made fast and easy.

These advanced new capabilities join together with a modest price to make the Spark® Series a superior value for practitioners of occupational noise monitoring programs.

Features

- Universal noise exposure measurements using your choice of multiple dose parameters
- Compact, lightweight, and easy to use
- Incredible battery life
- All models intrinsically safe
- High speed data transfer without a cable
- Delivers outstanding reports and analysis through Blaze® software
- Massive memory allows more than a week of sampling - on all three shifts
- Detachable microphone, optional mast microphone converts unit for use as a sound level meter

Spark® 706 w/MPR002 Mast Microphone



Spark® Family of Dosimeters –

There are seven Spark® models available with a full range of capabilities – choose from basic dataloggers with no display, display-only units, or take advantage of the power of **Interactive Infrared Communication** with multiple unit "Combo-paks"!



MODEL	DESCRIPTION	MAJOR FEATURES
703	Logging dosimeter (excluding LCD and keypad for maximum security and lowest cost).	Downloads basic and summary reports to PC. The 703 is controlled by the PC with Blaze® software.
703+	Fully featured logging dosimeter with remote response capability (excluding LCD and keypad for maximum security).	Complete report generation and setup using Blaze® software. Can be operated and interrogated by the 706RC.
704	Fully featured stand-alone dosimeter with LCD and keypad. Designed for quick and easy measurements (no download capability).	Displays complete overall data. Measures 4 different doses, each with unique user defined settings.
705	Logging dosimeter, Super-duty.	Downloads basic and summary reports to PC. The 705 is controlled by the PC with Blaze® software.
705+	Fully featured, Super-duty logging dosimeter with remote response capability.	Complete report generation and analysis using Blaze® software. Can be operated and interrogated by the 706RC, or from the PC directly.
706	Fully featured stand alone dosimeter with LCD, keypad and remote response capability.	Complete report generation and setup using Blaze® software. Can be operated and interrogated by the 706RC.
706RC	Fully featured dosimeter and remote controller with LCD.	Full report generation and setup using Blaze™ software. Gives surrogate display for 703+ or 706. The remote control function allows setup and control of other remote response Sparks®, Interrogates and stores data from multiple dosimeters.

SPECIFICATIONS	705 / 705+	All Others
Measurement Range	40 to 143 dB (RMS); 80 to 146 dB (peak) typical	
Max Peak Level	146 dB SPL	
Detectors	Slow, fast, and peak	
Frequency Weighting	A, C, Unweighted (Peak)	
Microphone	3/8" electret	
Memory	4 MB, non-volatile	
Clock/Calendar	Month, day, year, hh:mm:ss; 98 event timers	
Power Supply	Internal: One AA battery, 35 hr operation	Internal: Two AA batteries, 100 hr operation
Dimensions	3.9" L x 2.9" W x 0.78" D	5.5" L x 2.5" W x 1.25" D
Weight	7.0 oz (198 g)	8.4 oz (238 g)
Standards Met	ANSI S1.4 - 1983, ANSI S1.25 - 1991, IEC 60651 - 1993, IEC 60804 - 1993, IEC 61252 - 1993, compliant	
Intrinsic Safety Standards Met	ANSI/UL 913, ANSI/UL 2279 part 11, CSA-157, CSA-E70-11 (Canada), IEC 60079-11, EN 50020 (Europe)	
Accessories (included)		
Detachable prepolarized electret microphone	MPR001 (MPR002 Mast Mic, optional)	
User Manual	I706.01	
Form-fitting pouch with belt clip	—	CCS018
AA battery	(1) 0255.0005	(2) 0255.0005
Mic Clip	ACC002	
Windscreen	WS006	
Accessories (optional)		
PC external infrared data acquisition (IrDA)	DVX009	
USB adaptor	CAL150	
Calibrator with 94 or 114 dB output @ 1 kHz	CAL150	
Blaze® analysis software	SWW_BLAZE	



Noise Exposure Analysis Software for Spark™

For creating first-class reports and identifying at-risk population groups, Spark®'s companion Blaze® Software is unbeatable. Need a concise OSHA compliance report and a clearly understood color graph of work-shift exposure combined on one page? Just click and there it is - with overexposure conditions clearly marked. Want to illustrate the effectiveness of proposed controls on that very same page? It's done in a snap! New regulations looming? Don't worry, with the dose re-calculation function, you've got it covered!




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For environmental noise monitoring and building acoustics, **Larson Davis** offers a full line of instruments, accessories and software. For personal noise and vibration exposure monitoring, Larson Davis complements this with sound level meters, personal noise dosimeters, human vibration meters, audiometric calibration systems and hearing conservation programs.

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