



# Spark® Family of Noise Dosimeters

Three Models, Four Doses... One Choice.

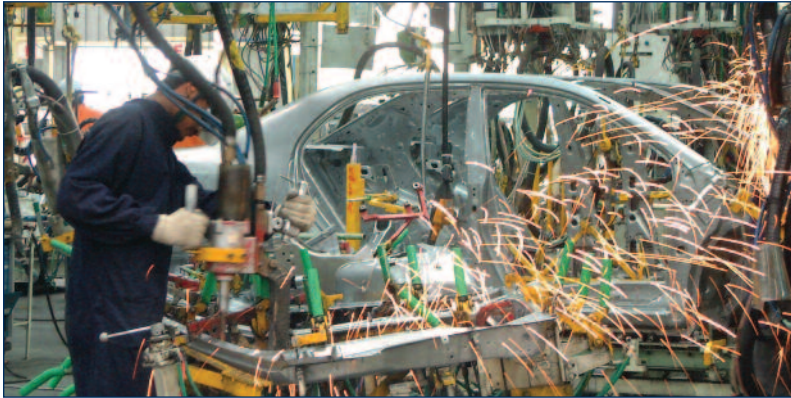


## Highlights

- Complete range of solutions – 3 models available! (Simple to advanced, all intrinsically safe)
- Four 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+ Super-duty Noise Dosimeters

This incredibly rugged, micro-sized Spark® is 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
- 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

For versatility and power, the 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+ 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® 706RC



## Spark® 706RC Noise Dosimeters

Fully-featured dosimeter with on-board display

The Spark® 706RC 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 706RC 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 706RC'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 706RC 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.



Spark® 706RC w/MPR002  
Mast Microphone

### Features

- Universal noise exposure measurements using your choice of multiple dose parameters
- Compact, lightweight, and easy to use
- Incredible battery life
- 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® 703+ Noise Dosimeters

The 703+ combines the 100 hours and form-factor of the 706RC with the tamper-proof 705+ features.



Spark® 703+



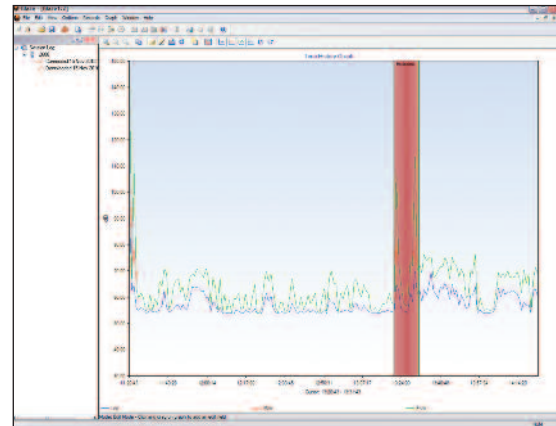
MODEL	DESCRIPTION	MAJOR FEATURES
703+	Fully featured logging dosimeter with remote response capability (excluding LCD and keypad for maximum security).	Complete report generation and setup using Blaze® software. Can be operated and interrogated by the 706RC.
705+	Fully featured, Super-duty logging dosimeter 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.
706RC	Fully featured dosimeter and remote controller with LCD.	Full report generation and setup using Blaze™ software. Gives surrogate display for 703+ or 705+. The remote control function allows setup and control of other remote response Sparks®. Interrogates and stores data from multiple dosimeters.

SPECIFICATIONS	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, IEC 60079-0:2004, EN 50020:2002	
<b>Accessories (included)</b>		
Detachable prepolarized electret microphone	MPR001 (MPR002 Mast Mic, optional)	
User Manual	I706.01	
Form-fitting pouch with belt clip	—	CCS018
AA battery	(1) Alkaline	(2) Alkaline
Mic Clip	ACC002	
Windscreen	WS006	
<b>Accessories (optional)</b>		
PC external infrared data acquisition (IrDA) USB adaptor	DVX010	
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!




# LARSON DAVIS

A PCB PIEZOTRONICS DIV.

3425 Walden Avenue, Depew, NY 14043-2495 USA

Phone 716-926-8243

Toll-Free in USA 888-258-3222

Fax 716-926-8215 E-mail sales@larsondavis.com

Web Site www.larsondavis.com

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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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