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® 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.

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!
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.
### 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!

### Spark® Noise Dosimeters

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>MAJOR FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>703+</td>
<td>Fully featured logging dosimeter with remote response capability (excluding LCD and keypad for maximum security).</td>
<td>Complete report generation and setup using Blaze® software. Can be operated and interrogated by the 706RC.</td>
</tr>
<tr>
<td>705+</td>
<td>Fully featured, Super-duty logging dosimeter with remote response capability.</td>
<td>Complete report generation and analysis using Blaze® software. Can be operated and interrogated by the 706RC, or from the PC directly.</td>
</tr>
<tr>
<td>706RC</td>
<td>Fully featured dosimeter and remote controller with LCD.</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Model Specifications

#### Spec 705+ All Others

<table>
<thead>
<tr>
<th>Specification</th>
<th>705+ Measurement Range</th>
<th>705+ Max Peak Level</th>
<th>Detectors</th>
<th>Frequency Weighting</th>
<th>Microphone</th>
<th>Memory</th>
<th>Clock/Calendar</th>
<th>Power Supply</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Standards Met</th>
<th>Intrinsic Safety Standards Met</th>
<th>Accessories (included)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement Range</strong></td>
<td>40 to 143 dB (RMS); 80 to 146 dB (peak) typical</td>
<td>146 dB SPL</td>
<td>Slow, fast, and peak</td>
<td>A, C, Unweighted (Peak)</td>
<td>3/8” electret</td>
<td>4 MB, non-volatile</td>
<td>Month, day, year, hh:mm:ss; 98 event timers</td>
<td>Internal: One AA battery, 35 hr operation</td>
<td>Internal: Two AA batteries, 100 hr operation</td>
<td>3.9” L x 2.9” W x 0.78” D</td>
<td>8.4 oz (238 g)</td>
<td>ANSI/S1.4 - 1983, ANSI S1.25 - 1991, IEC 60651 - 1993, IEC 60804 - 1993, IEC 61252 - 1993, compliant</td>
<td>ANSI/UL 913, IEC 60079-0:2004, EN 50020:2002</td>
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<tr>
<td><strong>Detachable microphone</strong></td>
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<td></td>
<td>Detachable prepolarized electret microphone</td>
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<tr>
<td><strong>User Manual</strong></td>
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<td></td>
<td>MPR001 (MPR002 Mast Mic, optional)</td>
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<tr>
<td><strong>Form-fitting pouch with belt clip</strong></td>
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<td>I706.01</td>
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<tr>
<td><strong>AA battery</strong></td>
<td>(1) Alkaline</td>
<td>(2) Alkaline</td>
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<td>(1) Alkaline</td>
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<tr>
<td><strong>Mic Clip</strong></td>
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<td>AC2002</td>
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<td><strong>Windscreen</strong></td>
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<td>WS006</td>
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</table>

#### Accessories (optional)

- PC external infrared data acquisition (IrDA) USB adaptor: DVM010
- Calibrator with 94 or 114 dB output @ 1 kHz: CAL150
- Blaze® analysis software: SWW_BLAZE

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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.**

**Visit [www.larsondavis.com](http://www.larsondavis.com) to locate your nearest sales office**