



Sound Metrics Corp.
Using sound to make sound measurements

6 April 2007

DIDSON Acoustic Radiation

Frequency Band	0.7 MHz to 1.8 MHz
Ave Source Level	200 dB re 1 uPa @ 1 meter
Typical ping duration	32 usec
Typical Ping rate	10 pings/s per beam
Energy/ping	4.92×10^{-8} Joules
Maximum Sound Pressure Level	208 dB re 1 uPa @ 1 meter

For safe use of diagnostic ultrasound, it is recommended that the mechanical index of the emissions be less than 1. (MI \leq 1)

The Mechanical Index of DIDSON is 0.0378 (MI = 0.0378) at 1 meter range.

15029 Bothell Way NE #100 • Lake Forest Park WA 98155 • 206.364.1441
www.soundmetrics.com • info@soundmetrics.com • Fax 206 374 2929

For sales, rentals & demonstrations contact • Ocean Marine Industries Inc. • 757.382.7616
206 Research Dr., Suite 101 • Chesapeake VA 23320 • www.oceanmarineinc.com •
info@oceanmarineinc.com