

New Hammer Energy Measurements to the Popular Saximeter

The Saximeter from *Pile Dynamics* is a small hand held device used in pile driving jobs. It counts hammer blows, generates a pile driving log, determines blows per minute and, for open end diesel hammers, also calculates stroke and potential energy. The Saximeter has been used by pile driving inspectors for more than 20 years. The latest model of this instrument is the E-Sax, that comes with standard additional memory and processing power, and an optional antenna and transmitter-



receiver system.

The optional accessories work in conjunction with sensors installed on the hammer that detect the ram position as it falls, and with a processor that computes ram impact velocity from this information. The transmitter sends the

data to the E-Saximeter receiver, that in turn uses it to calculate Hammer Kinetic Energy. Kinetic Energy is the most important pile driving hammer information for wave equation analysis of pile driving (GRLWEAP™). E-Saximeter results may be printed in the field or downloaded to a computer. □

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