



E-Saximeter Specifications

January 2012

Main Unit:

Size: 100mm X 190mm X 50mm Weight: 0.54kg
 Temperature range: 10 to 40°C operating -10 to 65°C storage
 Power: Built-in rechargeable battery with 16 hour minimum duration
 Display: LCD, 4 lines X 16 characters, viewing area 62mm X 26mm
 Keypad: Large Key (1.27mm²), non tactile

Electronic:

32 bit CICS Micro CPU up to 50MHz
 10 bit 2 channel analog to digital converter; 8 bit 2 channel digital to analog converter
 Internal microphone 70 to 115 dB
 Standard Type A USB drive for data transfer
 8 MB internal Magnetoresistive RAM

Functional and Other:

Maximum blow detection rate: 68 bpm for open end diesel hammers; 300 bpm for all others
 Operates in English or SI units, Full one year warranty, Technical manual included

Optional Depth Measurement Unit:

Installation: mounts on crane, cable attaches to hammer
 Size: 305mm X910mm X 910mm, Weight: 73kg
 Resolution: 0.6mm Max range: 49m

Optional Energy Switches (pair of proximity switches, available in 3 types):

Functionality	Normally open	Normally open	Normally closed (for special applications)
Size (diameter x length)	18mm x 50mm	30mm x 50mm	30mm x 30mm
Weight:	114 g	205 g	182 g
Switching Frequency:	200 Hz	650 Hz	200 Hz
Sensing range	10 mm	10 mm	15 mm
Repeatability	.01 mm	.01 mm	.01 mm

Installation: mounts on hammer

Transmitters:

	for Optional Energy Switches:	for Optional Depth Measurement Unit:
Installation:	mounts on hammer	mounts on depth sensor
Size:	90mm X 125mm X 32mm	64mm X 98mm X 34mm
Weight:	.54kg	.46kg
Data transmission:	via a standard radio protocol	
Frequency Range:	2.402 ~ 2.480 GHz	
Max range:	100m	
Electronic:	Low power 16 bit processor with 12 bit analog to digital converter and 12 bit digital to analog converter	
Power:	Built-in rechargeable battery w/8 hour min duration	supplied by +12V to +24V crane battery
Temperature range:	0 to 40°C operating; -10 to 65°C storage	