E-Saximeter Specifications

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 Magnetoresitive RAM

Functional and Other:
Maximum blow detection rate: 68 bpm for open end diesel hammers; 300 bpm for all others
Operating units: English or SI
Full one-year warranty
Technical manual provided in PDF form on a USB drive

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

Optional Energy Switches (pair of proximity switches, available in 3 types):
Installation: mounts on hammer

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Normally open</th>
<th>Normally open</th>
<th>Normally closed (for special applications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (diameter x length)</td>
<td>18mm x 50mm</td>
<td>30mm x 50mm</td>
<td>30mm x 30mm</td>
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<tr>
<td>Weight</td>
<td>114 g</td>
<td>205 g</td>
<td>182 g</td>
</tr>
<tr>
<td>Switching Frequency</td>
<td>200 Hz</td>
<td>650 Hz</td>
<td>200 Hz</td>
</tr>
<tr>
<td>Sensing Range</td>
<td>10 mm</td>
<td>10 mm</td>
<td>15 mm</td>
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<tr>
<td>Repeatability</td>
<td>.01 mm</td>
<td>.01 mm</td>
<td>.01 mm</td>
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</tbody>
</table>

Transmitters:
For Optional Energy Switches:
Installation: mounts on hammer
Size: 90mm X 125mm X 32mm
Weight: .54kg
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

For Optional Depth Measurement Unit:
Installation: mounts on depth sensor
Size: 64mm X 98mm X 34mm
Weight: .46kg

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