Pile Integrity Tester Accessories Specifications

All PIT Models

*Traditional Accelerometers*
- Size: 20 x 20 x 60 mm
- Acceleration range: ±50g
- Frequency range: 0.5 to 10000 Hz (±5%)
- Resonant frequency: >50 kHz
- Low noise shielded cable (1500mm)
- Temperature Range: -54 to 93°C operating
- Nominal sensitivity 100 mV/g
- Shock limit: 5,000 g
- Amplitude linearity: <1%
- Nominal time constant: 1 to 2.5 s
- Available in top or side mount
- Attachment by bolt on system (side) or flat base mount (top) with adhesive

*PIT-X V & PIT-X FV Models*

*Wireless Accelerometer*
- Size: 92 mm H X 44 mm dia. (nominal, 53 mm max.)
- Weight: 0.112 Kg
- Acceleration range: ±50 g
- Frequency range: 0.5 to 10,000 Hz
- Resonant frequency: > 50 KHz
- Data transmission range 3m
- Temperature Range: 0°C to 40°C operating; -20°C to 65°C
- Storage
- Nominal sensitivity: 50mV/g
- Shock limit: 5,000 g
- Amplitude linearity: <1%
- Nominal time constant: > 1 to 2.5 s
- Data transmission frequency 2.4 GHz to 2.4835 GHz
- Available in top mount only
- Attachment by flat base mount with adhesive

**Hammers**

Handle type hammers have replaceable hard plastic hammer tips.
All instrumented hammers are equipped with a 1mV/g accelerometer
<table>
<thead>
<tr>
<th>Weight</th>
<th>Non instrumented (handle type) for any model of PIT</th>
<th>Instrumented for PIT-QFV and PIT-FV (traditional)</th>
<th>Instrumented for PIT-XFV (wireless)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 kg</td>
<td>Tip diameter 38.1mm (1.5&quot;)</td>
<td>Tip diameter 38.1mm (1.5&quot;) drop type</td>
<td>Gross weight 1.02 kg (2.25 lb.)</td>
</tr>
<tr>
<td>0.9 kg</td>
<td>Not available</td>
<td>Not available</td>
<td>Gross weight 1.42 kg (3.15 lb.)</td>
</tr>
<tr>
<td>1.4 kg</td>
<td>Tip diameter 50.8mm (2&quot;)</td>
<td>Tip diameter 50.8mm (2&quot;) drop type</td>
<td>Not available</td>
</tr>
<tr>
<td>3.6 kg</td>
<td>Tip diameter 76.2mm (3&quot;)</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>4.1 kg</td>
<td>Not available</td>
<td>Tip diameter 76.2mm (3&quot;) handle type</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Additional Wireless Instrumented Hammer Specifications
Size: Dia. 90.2 mm (3.55") Height 254 mm (10.0") independent of weight
Temperature Range: 0 to 40° C operating; -20 to 65° C Storage
Data transmission range 3m
Data transmission frequency 2.4 GHz to 2.4835 GHz
Internal battery (8-hour duration)