

HiTECH

Technologies, Inc.

SONOMETER 11

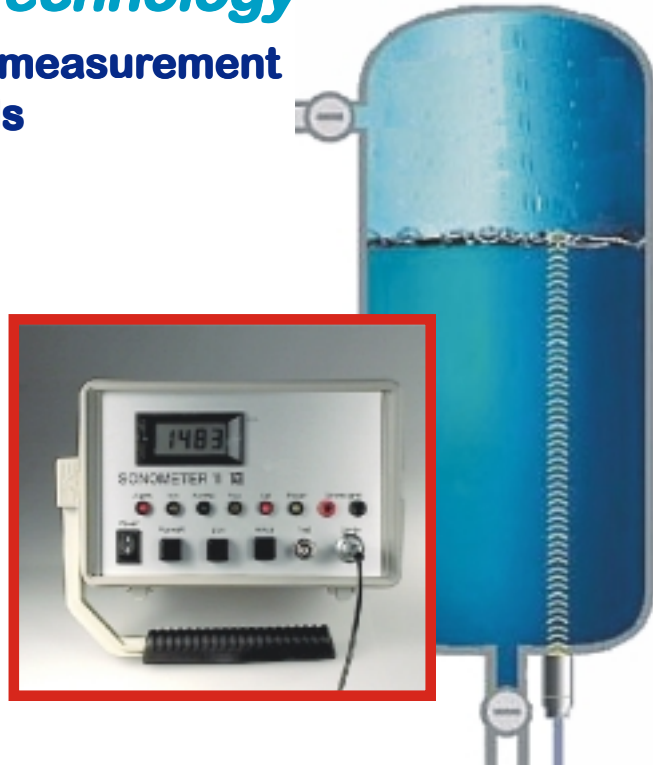
Penetrating Pulse Technology

Model SM-11

portable through the wall measurement
of liquid levels

IDEAL for

- ◆ Biotech Processes
- ◆ Liquefied Gases
- ◆ Pharmaceuticals
- ◆ Food & Beverages
- ◆ Interfaces
- ◆ Chemicals
- ◆ Hydrocarbons
- ◆ Crystallization Detection



Portable:

One unit can monitor an entire tank farm
Ten (10) programmable channels
Measures each level in 3 to 5 seconds

Battery Life:

Operates up to 8 hours on a single charge

Functions with:

Corrosive, Toxic, Purified, Aggressive Liquids.

External transducer:

Hygienic, Maintenance free, Non-Hazardous.

Unaffected by:

All vapors or changes in vapor concentrations.
Foam and surface foaming.
Pressure and pressure variations.

This revolutionary level system was developed and field proven in Europe. Now available in the USA, exclusively from **HiTECH**, this proprietary approach that we call “**penetrating pulse technology**”, enables “**Through the Wall**” level measurement.

The fundamental measurement principle is easy to understand. The sensor emits a brief penetrating acoustic pulse. This pulse is transmitted through the bottom of the vessel into the liquid. The pulse is then reflected back to the sensor from the liquid surface. From the time required for the pulse to travel to the liquid surface and back, the actual level is computed.

Materials measured may be highly toxic, abrasive, or corrosive, and/or contained in a sealed or pressurized vessel even at high temperatures. Additionally, concerns related to contamination, vessel integrity, internal obstructions, or sensor wear are eliminated.

HiTECH Technologies, Inc.

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SPECIFICATIONS

<p>Type Penetrating Pulse Technology continuous level measurement</p> <p>Measuring Range Max. running time 65 mseconds</p> <p>Resolution 1% of measuring range- max. 0.08"</p> <p>Transducer Non-contact, non-intrusive Hand held on outside vessel wall Maximum wall thickness 2.0" metal, glas, fiberglass, or plastic Operating at 1 M HZ Cable length - 6.56 feet (standard) Other lengths available</p>	<p>Outputs</p> <p>Signal 0/4...20 mA,</p> <p>Display Four digit LCD</p> <p>Serial Interface RS-232</p> <p>Relay 3 programmable (High, Low, Fault) 50 Volt: 0.1 Amp</p> <p>Adjustments</p> <p>a) Programming buttons</p> <p>b) RS 232 serial interface</p> <p>c) Optional software for PC running Windows 95/98</p>	<p>Power Requirements Rechargeable Ni Cad battery with built-in 28 VDC recharging unit.</p> <p>Battery Life Up to 8 hours from a single charge</p> <p>Housing Portable lightweight with well designed handle for ease of use</p> <p>Materials of Construction Electronics: Aluminum Sensor: PVDF NEMA 4 4X & 6</p> <p>Operating Temperature</p> <p>Electronics +32 to +122°F (-0 to +50°C)</p> <p>Sensor (HE 02) +4 to +176°F (-20 to +80°C)</p>
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PERFORMANCE GUARANTEE

Since 1986, every instrument sold by **HiTECH** has been guaranteed to perform in the application it originally was engineered and recommended for. Our company policy remains the same, every product sold comes with a **written performance guarantee.**

Should the equipment be unable to perform satisfactorily in your application and we are not able to correct the problem, we will accept the instrument in return and issue full credit. This performance guarantee is valid for 60 days. Thereafter, our standard limited two years factory warranty goes into effect.

