

HiTECH

Technologies, Inc.

Sludge Blanket Level Monitor / Transmitter

Model SBL - 32

Penetrating Pulse Technology

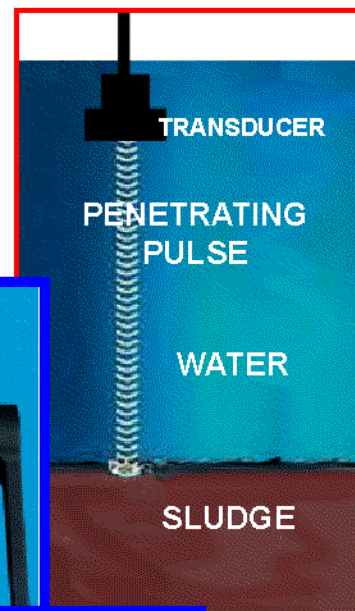
An Ideal *Portable* solution for
**Continuous Sludge Blanket Monitoring
in Water and Wastewater Treatment Facilities**

Clarifiers
Gravity Thickeners
Settling Tanks
Separation Tanks
Slurry Tanks

Measure up to 100 feet
Smart Electronics
User Friendly Software
Rugged Submersible Transducer

Portable Electronics

Two programmable channels
RS-232 Interface (Cable & Software Included)
Four digit LCD display
Measures each level in 3 to 5 seconds
Internal rechargeable battery
Operates up to 8 hours on a single charge



Transducer

Rugged Submersible
Encapsulated 316 Stainless Steel Sensor
Quick Disconnect Cable

This revolutionary system utilizes an innovative and unique technique - "**penetrating pulse technology**".

The fundamental measurement principle is easy to understand. The transducer mounted suspended from above, so that it is just below water's surface. The transducer emits a short penetrating acoustic pulse which is transmitted downward to the sludge. The pulse then reflects back to the transducer from the interface. Based on the pulse transit time to and from the interface surface, actual sludge level is computed.

HiTECH Technologies, Inc.

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Technical support: 800. 755. 4507

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SPECIFICATIONS

Type Penetrating Pulse Technology continuous level measurement	Outputs Signal 4...20 mA, Display Four digit LCD	Power Requirements Rechargeable Ni Cad battery with built-in 28 VDC recharging unit.
Operating Range Up to 100 feet	Digital RS-232 serial port	Battery Life Up to 8 hours from a single charge.
Accuracy & Sensitivity Application dependent	Relay 3 programmable (High, Low, Fault) 50 Volt: 0.1 Amp	Loop Resistance 500 ohms
Response Time Programmable from 10 mseconds	Materials of Construction Housing Portable lightweight with handle for ease of use	Electrical Connection Screw terminal connections.
Dead Band Standard 2"	Transducer: 316 SS TI Encapsulated Cable length 6.56 feet (standard)	Operating Temperature Electronics +32 to +122 °F Sensor +4 to +176 °F

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.

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