

SonicLaser™ Sensing Technology

IDEAL for:

- ◆ Breweries
- ◆ Chemicals
- ◆ Food Processing
- ◆ Pharmaceuticals
- ◆ Power Plants
- ◆ Pulp & Paper
- ◆ Water & Wastewater



ADVANTAGES

- Narrow Beam Angle ($\pm 2.5^\circ$ from center axis)
- Built-in temperature compensation
- Simple intuitive programming
- Fixed target suppression
- 32-point linearization
- 4 to 20 mA output
 - HART protocol w/PC software (optional)
- Operating modes:

Basic: Simple start up and 4/20 mA programming without Display Module option.

Sophisticated: Using the Display Module (SAP-200) which includes a 6 digit custom LCD display, the operator can choose between a menu driven QUICKSET or full parameter programming.

The SE/SG-36 **EchoTREK™** is HiTECH's 33 foot range **TWO-WIRE Loop-Powered SMART** ultrasonic level transmitter using unique **SonicLaser™** technology. The **Two-Wire EchoTREK™** combined with the optional **Solar Power Package** is the ideal solution for applications in remote locations.

EchoTREK™ compact transmitters include the latest version of the field proven **QUEST II™** advanced, process adaptive signal processing software to identify and validate the surface signal.

HiTECH's SonicLaser™, utilizing unique patented technology, is the best ultrasonic level measurement system on the market today. Presently there are more than 20,000 narrow beam **SonicLaser™** sensors, operating successfully worldwide, in various harsh industrial processing environments.



HiTECH

Technologies, Inc.

EchoTREK™
THE NEXT GENERATION

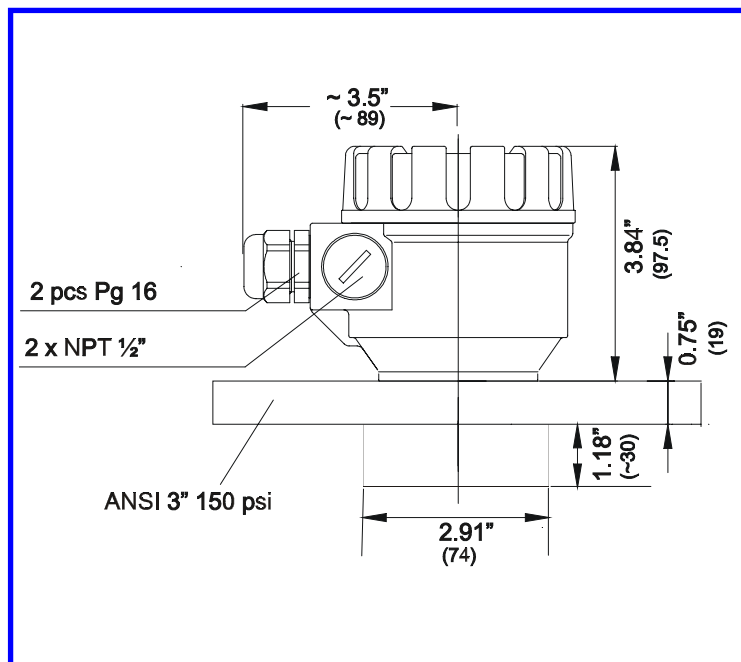
SMART

TWO-WIRE LEVEL TRANSMITTER

Model SE/SG-36

SPECIFICATIONS

Model xxx- 36	Range 14" to 33 feet (0.35 to 8 meters)	Power supply / Consumption 11.4 ...36 VDC / 48 mW ...720 mW Electrically isolated and surge/transient protected Optional Solar Power Package
Accuracy *	± (0.2% of the measured distance plus 0.05% of the range)	Materials Transducer: Polypropylene (PP) or Kynar (PVDF) Housing: Plastic (PBT fibreglass reinforced) or Aluminium (Powder paint coated)
Resolution (Dependent upon measured distance) < 80 inches: 0.04 inches 80...198 inches: 0.08 inches 16.4...33 feet: 0.2 inches		Temperature Process: -22 °F ...+194 °F Ambient: -22 °F ...+140 °F w/SAP-200: -13 °F ...+140 °F
Outputs:: 4 ...20 mA, Rmax 600 Ohm HART protocol w/PC software (optional)		Pressure (Absolute) 0.5** ... 3 bar (0.05 ... 0.3 MPa)
Loop power test connectors: Ammeter plug-in, 200 mV, 0.5%		Seals PP transducer: EPDM PVDF transducer: FPM (Viton)
Display: 6 digits, icons & bargraph, (SAP-200 module)		Rating Sensor: NEMA 4X & 6 Housing: NEMA 6



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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