

HiTECH

Technologies, Inc.

MICROSONAR

PROXIMITY Sensor

Model URP/UTP Series

SonicLaser™ Sensing Technology

Provides detection or measurement of distance to or position of an object

IDEAL for

- Positioning equipment
- Packaging equipment
- Filling equipment
- Small transport vehicles
- Trolleys
- Fork-lifts

ADVANTAGES

Economical - Low Cost

Switch or Transmitter

Temperature compensated

NEMA 4X Enclosure

Polypropylene Casing

Simple Programming

Easy to Install & Set-up

Rugged - Maintenance-free



HiTECH's MICROSONAR SonicLaser™ sensor is ideal for detecting the position or measuring the distance from a variety of objects.

Using SonicLaser™ narrow beam distance or proximity measuring technology with a very concentrated (5° angle) beam pattern, measurement is performed by detection of a sonic wave reflected from the target. The unit detects any object placed in line within the center beam, having a perpendicular surface and reflecting characteristics.

The transducer measures the distance to a target or presence or absence of an object by sensing the round trip time-span of the generated wave and the return echo. MicroSonar is fully temperature compensated over its specified operating temperature range.

The output of the unit is either PNP switch or analog voltage or a 4-20 mA current signal.

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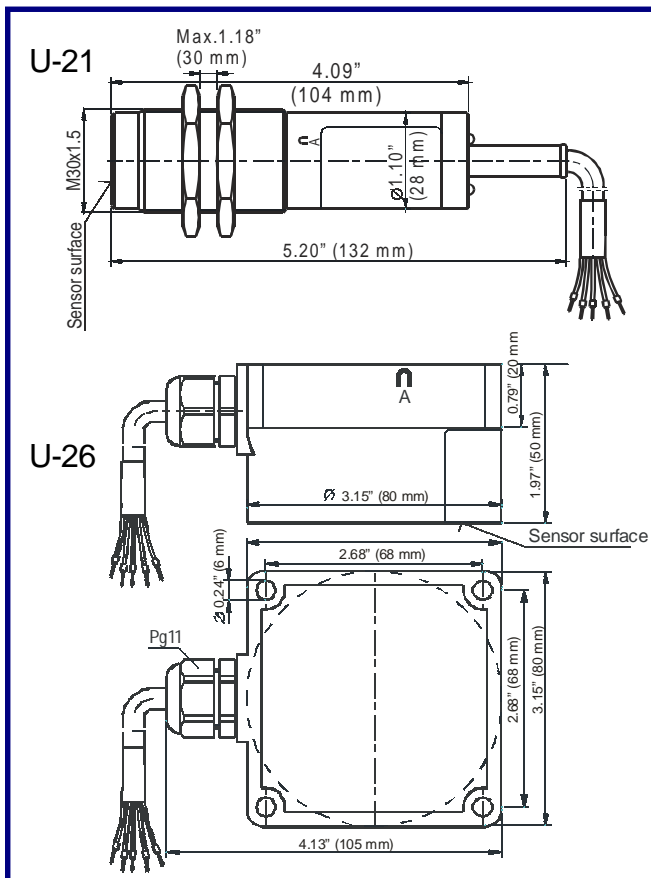
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SPECIFICATIONS

Type SonicLaser™ Narrow Beam Measurement Technology	Supply 10.8 .. 30 VDC	Ambient Temperature + 4 .. +160 °F (- 20 .. +70 °C)
Ranges: U-21: 8" - 39" (0.2 - 1 m) U-26: 1.3' - 20' (0.4 - 6 m)	Transmitter output: 0 - 10 V or 4 - 20 mA	Enclosure NEMA 4X Polypropylene (molded w/resin)
Resolution: 0.004" (0.1 mm)	Switching output: PNP max. 200 mA	



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.