

## Tank Level Sensor Features

The T35-SAT is a high-accuracy radar sensor designed specifically to remotely measure liquid levels in tanks. It is easy to install with 4 self-tapping screws and a handy mobile app. The internal level sensor is non-contact so will not corrode or need replacing and can be used with any water and non-incendiary liquids. Maintenance is reduced with no antenna, cabled probes, or solar panel to worry about.

## Internet Connected

The T35-SAT is satellite-connected which means that data received from your monitor is always accessible via your smartphone, tablet, or computer. In addition, you can set alarms for high and low levels which are available via SMS, app notification, or email.

Management of multiple tanks is a breeze and the ability to share access with users allows you to keep everyone up to date.

**MONITOR YOUR TANK  
LEVELS FROM ANYWHERE**



Install it yourself using the Hilo mobile app



# T35-SAT

## Technical Specifications

### CONNECTION OPTIONS

Bluetooth Low Energy	2.4/2.483GHz:0dB
Satellite (Astrocast LEO)	L-Band 1.5-1.7GHz:<16dB

### COMMUNICATION RATE

Based on global location <sup>2</sup>	24-96 measurements per day delivered at satellite passing times <sup>2</sup>
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### ENVIRONMENT

Water resistance	IP68
Operational temperature	-20°C to +55°C <sup>1</sup>
Recommended storage temperature	+15°C to +25°C

### BATTERY

Life	10 years <sup>2</sup>
Type	3.6v Lithium primary
Capacity	38Ah

### MEASUREMENT

Technology	60GHz pulsed radar
Measurement ranges	3.5m (5m Pro)
Accuracy	0.5% (0.2% Pro)
Resolution	1mm
Beam pattern	10° HPBW

### PHYSICAL CHARACTERISTICS

Dimensions	148x95mm
Weight	320g
Enclosure material	Polycarbonate + PBT
Mounting	0-20 degree swivel

<http://hilomonitoring.com>

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# T35-SAT

140mm



120mm



## PART ASSEMBLY FEATURES

Factory assembled horizontal T35 swivel mount shown in images. Attached via 2 inch BSP thread.

Swivel angle 0-20 degrees, designed for mounting on sloped tank rooves.



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# T35-SAT

## VARIANT DESCRIPTOR

T35-SAT-PRO

Mount and software model [T35]

Radio option [SAT]

Professional features [PRO]

Tank monitor

Astrocast LEO satellite network

Pro features

## ATTACHMENT VARIANTS

T35-SAT

T35-SAT-PRO

Tank monitor cellular 3.5 m

Tank monitor cellular 5 m

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# T35-SAT

## DATASHEET HISTORY

Initial document release

DATE

30/01/24

## PART HISTORY

T35-SAT model release

VARIANT/DATE

30/01/24

## FOOTNOTES

- 1: Temperatures outside of this range will reduce battery life and system performance and may damage the product.
- 2: Based on current settings and satellite constellation.

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