Hitelecom®

TILT SENSOR

Low Precision | ±1°

H310-TS100L



KEY INDICATORS

Accuracy	Model	Reporting	Service life	Report profile	Application
±1° Low precision	H310-TS100L	Every 12 hours	5 years*	2 scheduled Reports per day	Economical Asset coverage

OVERVIEW

The Hitelecom H310-TS100L provides ±1° accuracy for economical tilt monitoring across fixed assets. Applications include outdoor light poles, conventional racks up to 8 m, automated-storage frames and utility supports. Identify each point by asset ID and installation reference so maintenance teams can locate persistent posture changes. Scheduled reporting is every 12 hours, with a five-year service life. Sampling and connectivity follow the supplied configuration.

FEATURES

LOW PRECISION

Use ±1° accuracy for basic posture changes across selected fixed assets.

TWICE-DAILY REPORTS

Send a report every 12 hours: two scheduled reports per day for asset records.

FIVE-YEAR PROFILE

Use a five-year service-life profile with 12-hour scheduled reporting.

BROAD POINT COVERAGE

Cover light poles, warehouse racks, storage frames and other fixed assets economically.

FIXED-ASSET REFERENCE

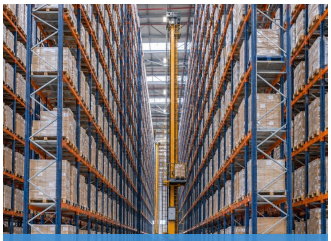
Assign an asset ID and initial posture. Compare later readings against this reference.

PROJECT INTEGRATION

Agree sampling, the supported connection and platform interface for commissioning.

APPLICATIONS


Pallet racks up to 8 m


Automated storage


Street-light poles


Solar street lights


Outdoor cabinets


Conveyor supports


Billboard supports


Water-tank supports

Item Numbers		Description
Measurement	Model	H310-TS100L
	Product grade	Low precision
	Accuracy	±1°
	Measured quantity	Local inclination at the mounting point
	Working range	-90°~90°
	Resolution	±0.5°
Operating Profile	Acquisition interval	Agreed separately for the supplied configuration
	Scheduled reporting	Every 12 hours
	Routine report count	2 scheduled reports per day
	Service life	5 years with the 12-hour reporting profile*
	Operating configuration	Confirm sampling, power and enabled functions
	Event reporting	Conditions and delivery workflow agreed per project
Installation	Mounting	Rigid fixing to the selected asset member
	Installation reference	Initial angle recorded after installation
	Point identity	Asset ID, location and measurement direction
	Record review	Compare with the same installation reference
	Recommissioning	Renew the reference after repositioning
	Site acceptance	Validate readings and agreed reporting at site

Item Numbers		Description
Waterproof Rating	Enclosure protection	As stated in the supplied configuration
	Installation sealing	Preserve enclosure sealing during installation
Environmental Range	Site conditions	Specify indoor / outdoor exposure in the project brief
	Temperature / humidity	Confirm supplied limits for operation and storage
	Exposure conditions	Declare water contact, dust, cleaning and corrosion
Integration	Radio and protocol	Agree the supported connection with the quotation
	Cellular projects	Specify country, operator coverage and SIM needs
	Local network	Share receiver / gateway protocol and onward interface
	Data destination	Agreed platform and supported data interface
	Data fields	Device / asset ID, angle, direction, unit and timestamp
	Site verification	Check end-to-end data and notification delivery
Certification References	CE platform status	H200 / H300 / H500 platform: CE completed*
	Supplied-model documents	Confirm applicable certificates for H310-TS100L
	CCC / CE / FCC / RoHS	References depend on the supplied model and market

* Accuracy is distinct from resolution and a project review threshold. Specify the working range, reported increment and measurement conditions separately.

* Service life: five years with 12-hour scheduled reporting. Agree the supplied power, sampling and enabled functions; service life depends on operating conditions.

* Certification scope: the prior CE confirmation concerns the H200 / H300 / H500 platform. Confirm applicability and other compliance references for the supplied H310-TS100L configuration.

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