Hitelecom®

TILT SENSOR

Medium Precision | ±0.1°

H310-TS150M



KEY INDICATORS

Accuracy	Model	Acquisition	Reporting	Report profile	Measurement
±0.1° Medium precision	H310-TS150M	Every 1 minute	Every 4 hours	240 cycles Between reports	Local inclination Fixed asset point

OVERVIEW

The Hitelecom H310-TS150M measures local inclination with ±0.1° accuracy for rack uprights, poles, structural members and machine frames. Record a fixed mounting point, asset ID and initial angle, then follow changes against that reference. The sensor acquires an angle every minute and reports every four hours, with 240 acquisition cycles between reports. Select the communication route and platform interface for the supplied configuration.

FEATURES

MEDIUM PRECISION

Measure local inclination with ±0.1° accuracy for the angle changes your project needs.

FREQUENT SENSING

Read an angle every minute, matching the high-precision model's acquisition method.

SCHEDULED REPORTS

Report every four hours, with 240 acquisition cycles between scheduled reports.

FIXED REFERENCE

Record the initial angle. Compare later readings from the same rigid mounting point.

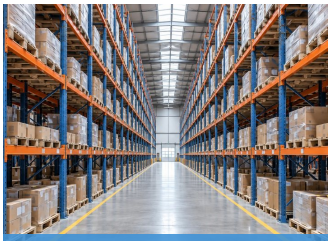
ASSET RECORDS

Link each point to a rack bay, pole, frame or machine ID for inspection records.

PROJECT INTEGRATION

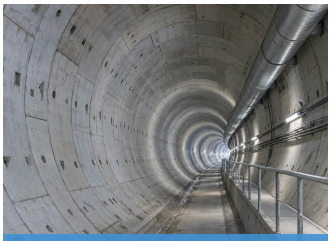
Agree the supported connection, sample message and interface for your platform.

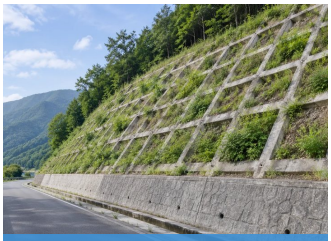
APPLICATIONS


Warehouse racking


Street-light poles


Bridge members


Tunnel linings


Slopes & embankments


Heritage buildings


Machine frames


Water-tank supports

Item Numbers		Description
Measurement	Model	H310-TS150M
	Product grade	Medium precision
	Accuracy	±0.1°
	Measured quantity	Local inclination at the mounting point
	Working range	-90°~+90°
	Resolution	±0.1°
Operating Profile	Acquisition interval	Every 1 minute
	Scheduled reporting	Every 4 hours
	Acquisition cycles	240 per scheduled report
	Profile basis	Same acquisition / reporting as high precision
	Event reporting	Conditions and delivery workflow agreed per project
	Service life	10Year+ (1Min interval, Four Hours Reporting)
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-TS150M
	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.

Operating profile: one-minute acquisition and four-hour routine reporting. The service-life estimate and event-reporting workflow follow the supplied configuration.

* Certification scope: the prior CE confirmation concerns the H200 / H300 / H500 platform. Confirm applicability and other compliance references for the supplied H310-TS150M configuration.

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