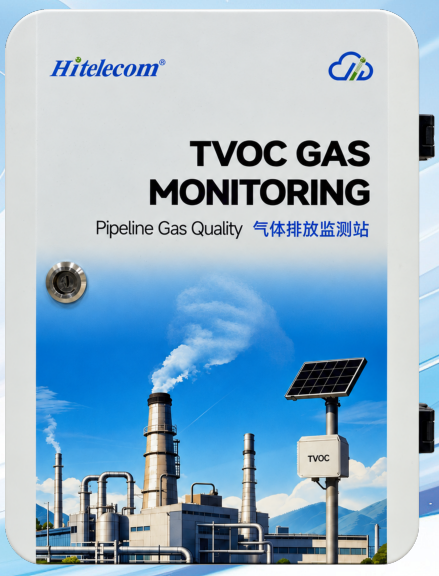
Hitelecom®

SOLAR-POWERED
PIPELINE TVOC SENSOR

Industrial pipeline & exhaust monitoring

Solar power with energy storage



KEY INDICATORS

Measuring ranges	Min. resolution	Power system	Sampling	Target gas
0-10 / 0-40 / 0-100 ppm	1 ppb 0.001 ppm	Solar power + energy storage	Customer-defined collection interval	TVOC / custom by configuration

OVERVIEW

The Hitelecom Solar-Powered Pipeline TVOC Sensor measures TVOC concentration in gas sampled from industrial pipelines and exhaust points. Solar power with energy storage supports field installation. Select 0-10 ppm, 0-40 ppm or 0-100 ppm, with minimum resolution of 1 ppb. View uploaded readings online through Hitelecom Cloud and receive alerts when configured thresholds are exceeded. Sampling intervals and target-gas configurations are customizable; the data connection and alarm rules are agreed for the project.

FEATURES

SOLAR POWER + STORAGE

Field power for monitoring points where mains wiring is impractical. Sized for the site and operating duty.

THREE TVOC RANGES

0-10 ppm, 0-40 ppm or 0-100 ppm. Match the range to normal levels and expected process variation.

MIN. 1 ppb RESOLUTION

Minimum concentration increment of 1 ppb (0.001 ppm). Accuracy and detection limit are separate values.

CUSTOM SAMPLING

Match the sampling interval to the production cycle or treatment-outlet change you need to observe.

HITELECOM CLOUD

View uploaded TVOC readings online and receive configured threshold alerts through Hitelecom Cloud.

TARGET-GAS OPTIONS

TVOC monitoring with other target-gas configurations customizable for the requested application.

APPLICATIONS



Chemicals, paints & adhesives



Printing, packaging & coated webs



Automotive & metal finishing



Furniture & bonded products



Electronics & batteries



Pharma & fine chemicals



Solvent recovery & recycling



Central VOC treatment systems

Eight selected application examples. Match the gas, range and sample conditions to the supplied configuration. The website provides 12 application categories and 33 monitoring tasks.

Item		Description
TVOC Measurement	Measured parameter	TVOC concentration
	Measuring ranges	0-10 ppm / 0-40 ppm / 0-100 ppm
	Minimum resolution	1 ppb (0.001 ppm)
	Sampling interval	Customizable
Power Supply	Power system	Solar power with energy storage
Gas Configuration	Target gas	TVOC; other target gases customizable
Cloud Monitoring	Platform	Hitelecom Cloud
	Online data access	Online viewing of uploaded TVOC readings
	Threshold alarms	Notifications when configured thresholds are exceeded

* Range options are selected configurations, not automatic range switching.
* Minimum resolution is distinct from accuracy and detection limit.
* Data connection, reporting interval and alarm notifications are configured for the project.

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