HYDROGEN SULPHIDE DATA LOGGER
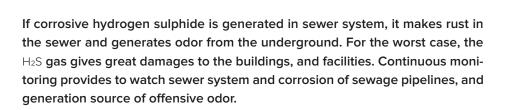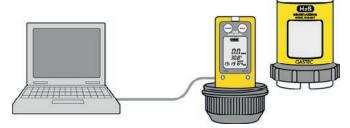
Incorporated data logger makes it possible for continuous monitoring in sewer system

If corrosive hydrogen sulphide is generated in sewer system, it makes rust in the sewer and generates odor from the underground. For the worst case, the H_2S gas gives great damages to the buildings, and facilities. Continuous monitoring provides to watch sewer system and corrosion of sewage pipelines, and generation source of offensive odor.

EASY DATA PROCESSING BY ANASYS

By connecting the GHS-8AT-EX to a PC using a USB cable, logging data is read to the PC. By using dedicated software, a graphical display or a text file can be prepared.

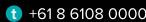| Product code	Description
H_2S-520E	H_2S sensor 0 - 10ppm
H_2S-521E	H_2S sensor 0 - 100ppm
H_2S-522E	H_2S sensor 0 - 500ppm
H_2S-523E	H_2S sensor 0 - 1000ppm
H_2S-524E	H_2S sensor 0 - 3000ppm
CK-11L-E	H_2S gas generation kit 0 - 10ppm
CK-11-E	H_2S gas generation kit 0 - 100ppm
CK-11H-E	H_2S gas generation kit 0 - 500ppm
CK-11HH-E	H_2S gas generation kit 0 - 1000ppm, 0 - 3000ppm
GHS8ATEX-81	External casing
GHS8AT-84	Bottom casing

KEY FEATURES

- The large display screen enables you to check concentration, temperature, and remaining battery capacity.
- The product also comes with a function that notifies you of when the sensor must be calibrated.
- The recording switch enables you to freely select the start and end points of recording.
- Small and light weight
- You can easily remove the outer case to replace it.
- The water resistance and corrosion resistance of the structure have been enhanced (IP66/67), and the product is designed to float on water.
- Even when logging is performed for one minute, up to one month's worth of concentration and temperature data can be recorded.
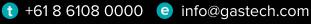- We manufacture sensors for a wide range of measurement applications to match a variety of measurement locations.

HYDROGEN SULPHIDE DATA LOGGER

SPECIFICATIONS   Specifications subject to change without notice

Model No.	GHS-8AT-EX				
Application	Hydrogen Sulphide				
H2S Sensor	Controlled potential electrolysis sensor				
Sampling method	Diffusion				
Sensor range	H2S-520E	0 - 100ppm	0 - 500ppm	0 - 1000ppm	0 - 3000ppm
Sensor code	0 - 10.0ppm	H2S-521E	H2S-522E	H2S-523E	H2S-524E
Accuracy *1	±5% of F.S.	±5% of F.S.	±5% of F.S.	±5% of F.S.	±5% of F.S.
Increments	0.1ppm	1ppm	1ppm	10ppm	25ppm
Temperature measuring range	0° - 40°				
Temperature sensor	CMOS Temperature sensor				
Temperature accuracy	±3°				
Display	LCD Display (concentration, temperature, time, battery life, remained data capacity in days)				
Log type	Selectable from instant, average, peak, minimum				
Operating temperature and humidity ranges	Temperature: 0 - 40 Humidity: 30 – 95%RH (Non-condensing)				
Power supply	2 x AA Alkaline batteries. Only the following types may be used: LR6(Panasonic) MN1500 (DURACELL)				
Battery life	3 months *2				
Battery for memory backup and clock	1 x Lithium battery Typical battery life: 5 years *3				
Clock error	±10 seconds/day (25°)				
Data logging capacity	45960 points *4				
Logging interval	1 minute, 5 minutes, 10 minutes, 15 minutes, 30 minutes, 60 minutes				
Communication interface	USB2.0				
Dimensions	89 x 148mm (approx.)				
Weight	390g (approx.)				
Standard accessories	H2S sensor, String (5m), Screw lock stainless ring catch (oval, triangle), Ball Allen driver, Screw driver, AA battery (2), sensor filter (6), Dedicated software ANASYS, USB cable (1m), Instruction manual				
EU Directive	2014/34/EU(ATEX) , 2014/30/EU(EMC)				
Marking	ATEX	II2G Ex ia IIB T3 Gb			
	IEC Ex	Ex ia IIB T3 Gb			
Certificate Number	ATEX	DEKRA 14ATEX0135			
	IEC Ex	IECEx DEK 14.0085			
Standards	ATEX	EN60079-0:2012+A:2013 , EN60079-11:2012			
	IEC Ex	IEC60079-0:2011 , IEC60079-11:2011			
	EMC	EN50270:2015 , EN55032:2015 , EN55024:2010			

*1   Calibrated accuracy
*2   >20°, logging interval 5 minutes, pilot lamp disabled.
*3   Without Alkaline batteries. If Alkaline batteries are installed, battery life will be longer because power is supplied from Alkaline batteries
*4   31 days by logging interval of 1 minute.