

# Acrulog IPX H2S Dilution Monitor

Continuous, high level PPM H2S gas monitoring with extended sample draw capability and micro sampling technology (MST)

## TYPICAL APPLICATIONS

Odour and corrosion control  
Manhole and wet well monitoring  
Asset management and research studies  
Wastewater treatment plant monitoring  
Ventilation pipes and rising mains



## FEATURES & BENEFITS

Designed for long term monitoring of high levels of PPM gas

Wireless download of data via *Bluetooth*<sup>®</sup> technology

Battery powered with 2 x 3.6v D Lithium batteries up to 20 days

Logging capacity of 3 million data points

Large, clear, informative alpha-numeric display

Easy to download data using custom Acrustat software

Modified IP67 case with easy access to change batteries  
(no tools required)

Touch switch to access main menu

Supplied with 15m/50 ft Acrulog custom sample tube

Special PPB model for extended sampling

Optional Outputs: RS485, and 4G LTE-M or NB-IoT



# Acrulog IPX H2S Dilution Monitor

The Acrulog H2S dilution monitor is designed for long term continual use to record high PPM levels of H2S. The H2S monitor uses a built-in sample pump & dilution system designed for precision mixing of filtered air to reduce sensor exposure and moisture. This H2S monitor is capable of drawing a remote sample from up to 15 meters away with custom sample line.

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## SPECIFICATIONS

Measurement Range	0-20PPM, 0-50PPM, 0-200PPM, 0-1000PPM, 0-2000PPB*
Zero Drift	< +/- 1ppm at NTP (Normal temperature and pressure)
Accuracy	< +/- 10% of reading over range at NTP Calibrated on 50ppm
Instrument Temp Range	-10C to 50C (14F — 122F)
Sensor Temp Range	-10C to 50C (14F — 122F)
Relative Humidity Range	0-100% non-condensing
Remote Sample Draw Range	Up to 15 meters (50 feet) with Acrulog custom sample tube to suit application
Ingress Protection	Housed in a modified IP67 case
External Dimensions	205mm x 97mm x 63mm (8" x 3.8" x 2.5")
Instrument Weight	850 grams with batteries fitted (30oz / 1.8 pounds)
Logging Interval	10 minutes to 18 hours
4-20mA Output	Externally powered loop 12-24 volts DC (4-20mA output updated every second for connection to flash powered sampling loops)
Power Supply External (with 4-20mA or RS485)	External 5-24 volt DC supply (Average 30mA with peak of 50mA)
Internal Battery Backup	2 x 3.6v D size Lithium batteries
Humidity Accuracy	+/- 5% RH @ 55% RH
Temperature Accuracy	+/- 0.3 @ 25C (77F)
Optional Output Upgrades	RS485, and 4G LTE CAT M1 or NB-IoT
Warranty	12 Months

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## OPTIONAL ACCESSORIES

Solar shade  
Inline sample dryer  
Flash Back Arrestor  
Sample Tubes (3 & 5m/10 & 16 ft)

\*Special PPB model for extended sample draw