

LOGAZPRO-H2S: H2S logger with process output



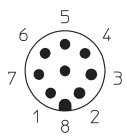
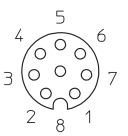



Features

- Measuring range : 0-200 or 0-2000ppm
- Wireless setting with Rfid technology
- Outputs : 4-20mA and/or Modbus RS485
- Memory : up to 500 000 measures
- Logger enclosure rating IP68

This logger integrates the H2S sensor and some outputs so-called process like 4-20mA and Modbus RS485.

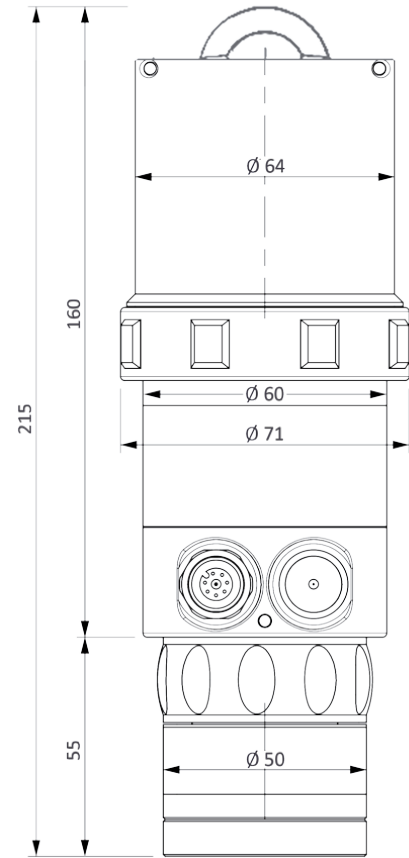
The measurement is performed by an electrochemical cell, the measuring head is easily interchangeable on-site and embarks its calibration.

The sensor has radio communication capabilities up to 100m for configuration and a logger that allows measurement history retrieval also by radio.

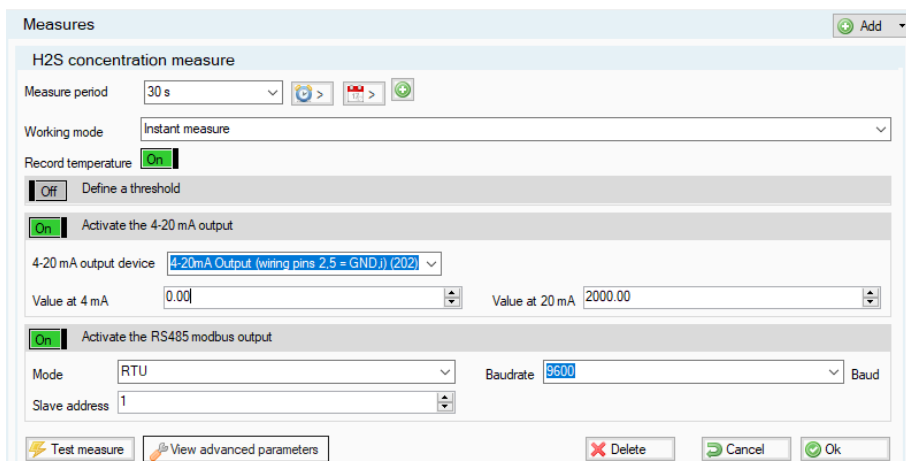
Features	Data logger LOGAZPRO-200X-H2S-8X (868 MHz) - LOGAZPRO-200X-H2S-9X (915 MHz)
Power supply	External : 7 ... 30Vdc ; 1Watt max so 150mA (7V) to 40mA (30V) Internal : lithium battery 3,6V 17Ah (PN : A0100009) used for the autonomous datalogger mode
Process output External power supply necessary (8...30Vdc)	- 4-20 mA current loop (the sensor can not be powered by the loop : <u>3-wires connection required</u>) - Modbus RS485 <ul style="list-style-type: none"> • Mode ASCII or RTU • Speed (Baud) 600, 1200, ... ,19200, 38400, 57600 (default 9600 baud) • 8 bits data, 1 stop bit, no parity by default • Configurable slave address (default address =1) • Reading of concentration on the extended Modbus table (@184 cf : K0K00011, available in the configuration of the logger using our software Avelour Word (16bits) coded in « little endian » : lsb first Short = 1 word = 16bits / Long = 2 words = 32bits Inversed 32bits = word 2 before word 1
Measuring period	Minimum 10s
Connector	Connector M12 – 8 points 1- Vin (white) 2- GND (brown) 3- RS485-High (A) (green) : Modbus output 4- RS485-Low (B) (yellow) : Modbus output 5- Current output (grey) : 4-20mA <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
Radio	Internal antenna – 100m distance coverage - Protocol WIJI®
Frequencies HF	ISM 868MHz (Europe) / 915MHz (USA)
Data logger	500 000 Measures
Operating temperature	-40 ...85°C
Housing	ABS 20%FV
Ingress Protection	IP68 (only with the use of Ijinus mounting kit ; ref : H0T00060)
Programming	AVELOUR software part of the programming kit MOC00001(868 MHz), or MOC00002(915 MHz)
Atex Zone II	 II 3G Ex ic ec IIB T4 Gc Tamb : -20°C...60°C
Certification CE/FCC/IC	 -  : SE6A001 - IC : 10983A-A001

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Dimensions LOGAZPRO-H2S	Ø71 x 215 mm	
Weight	365g	
Internal battery	3,6V 17Ah <i>- Allows radio configuration and to save the hour in case of power failure for the logger function</i> <i>- Battery operation does not allow the use of process outputs</i>	
Gaz cell features	H2S 0-200 ppm	H2S 0-2000 ppm
Typical measuring range	0-200ppm	0-2000 ppm
Maximum overexposure	500ppm	10000 ppm
Cell accuracy	± 0,5% FS	± 0,15% FS
Resolution	1 ppm	
Operating temperature	-30°C up to +50°C	
Relative humidity range	15 up to 90% HR without condensation	
Pressure range	80 up to 120kPa	
Cell enclosure rating	IP66	
Dimensions	Ø54 x 58mm	
Weight	108g	
Calibration	Integrated to the cell	



Configuration with Avelour:




Current loop application :

The sensor can not be powered by the loop in current output mode

To powered the sensor et recorded data, the three wires must be connected:

White (n°1) : Vin (between 7 and 30V)

Brown (n°2) : GND

Grey (n°5) : Iout 0-20mA