

# COMLog2 IS / ISLog Safety Supplement

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## MANEX-157-0001

**Dafydd Cadenne**

### Document Control

Issue	Details	Author	Date
A	Production Release	DRC	20/02/18
B	2 <sup>nd</sup> update to port parameters on this date	DGC	26/07/19
C	SonicSens 3 port parameters updated. Internal battery label updated	DGC	03/12/20

### SCHEDULE DRAWING

Certified product. No modifications permitted to this drawing without approval of an ATEX authorised person. Any modifications must also be submitted to the Notified Body for approval.

# COMLog2 IS / ISLog Safety Supplement



**Warning:** This manual contains important safety and operating information.  
Please read, understand and follow the instructions / warnings contained in this manual.

## Label drawings and Entity Parameters

### COMLog2 IS / ISLog

XXX XXXX	
P/N: XXXXXXXXXXXXX	S/N: XXXXXXXX
DOM: XXXXXXXXXXXXX	NETWORK: XXXXXXXX
SMS: XXXXXXXXXXXXX	
 II 1 G Ex Ia IIC T4 Ga	 XXXX
ITS19ATEX24923X	IECEXITS 19.0020X
-20°C ≤ TAMB ≤ +60°C	
	
WARNING - DO NOT REPLACE BATTERY WHEN EXPLOSIVE ATMOSPHERE IS PRESENT WARNING - DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE IS PRESENT WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD, DO NOT RUB WITH A DRY CLOTH. USE ONLY REPLACEABLE BATTERY PACK XXXXXXXXXXXXX COMPANY NAME & ADDRESS	

Rear Label

P/N: XXXXXXXXXXXXX S/N: XXXXXXXX	
SMS: XXXXXXXXXXXXX	
 II 1 G Ex Ia IIC T4 Ga	 XXXX
ITS19ATEX24923X	IECEXITS 19.0020X
-20°C ≤ TAMB ≤ +60°C	
	
WARNING - DO NOT REPLACE BATTERY WHEN EXPLOSIVE ATMOSPHERE IS PRESENT WARNING - DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE IS PRESENT WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD, DO NOT RUB WITH A DRY CLOTH. USE ONLY REPLACEABLE BATTERY PACK XXXXXXXXXXXXX COMPANY NAME & ADDRESS	

Front Label

	Output Parameters	Input Parameters
Flow/Status Inputs	Uo = 5.88V Io = 788µA Po = 1.3mW Co = 43µF Lo = 57.2H	Ci = 0 Li = 2 µH
SonicSens Power Output	Uo = 7.8V Io = 238mA Po = 528mW Co = 9.3µF Lo = 444uH	Ci = 0 Li = 0
SonicSens Communications	Uo = 5.4V Io = 9.7mA Po = 16mW Co = 65uF Lo = 378mH	Ui = 5.4V Ii = 11mA Pi = 15mW Ci = 0 Li = 4uH
Pulse Replication Output	Uo = 5.88V Io = 394µA Po = 654µW Co = 43µF Lo = 229H	Ui = 24 V Ii = 174mA Pi = 720mW Ci = 0 Li = 0
EEI Interface	Uo = 6.355V Io = 150mA Po = 250mW Co = 5.78µF Lo = 1.58mH	Ui = 0 Ii = 0 Pi = 0 Ci = 22.22µF Li = 6µH
GPIO Interface	Uo = 5.88V Io = 158mA Po = 262mW Co = 20.78µF Lo = 1.42mH	Ui = 0 Ii = 0 Pi = 0 Ci = 22.22µF Li = 6µH
Antenna	Uo = 7.8V Io = 788nA Po = 1.3µW Co = 8.9µF Lo = 57MH	Ui = 0 Ii = 0 Pi = 0 Ci = 400pF Li = 0

### Battery Pack

INTBATTPACK/7V2/H95 or  
INTBATTPACK/7V2/H95E

BATTERY PACK	
P/N:-	XXXXXXXXXXXXXX
S/N:-	XXXXXX
DOM:-	XX/XX/XXXX
RATING:-	XX.Xv XXAh
TEST REV:-	XX.XX
TESTED BY:-	IDXXX (XXX)
WARNING - This product contains a lithium thionyl chloride (Li-SOCL2) battery pack. Do not attempt to open, disassemble or service the battery pack. Do not crush, puncture, short external contacts or heat above 100°C (212°F). Under no circumstances should the battery pack be recharged. Dispose of in accordance with local regulations. Do not dispose of in fire or water. Do not carry, or lift this product by the cable. Replace only with a designated battery pack.	
USE ONLY ON:- XXXX	
  XXXX	Company Address
*** BARCODE***	
Company Website	

## Part Number make-up – HIS/xxxxx/xx/xxxxxx/x

HIS	/xxxxx	/xx	/xxxxxx	/x
HWM Logger Type No & safety designation	Antenna, & Input/Output Channel Configuration	Shipping Spec	Modem opt (See table)	Model Type

See the Configuration options document (DOC-157-0003) for details of the options available



### Warning:

For the COMLog2 IS / ISLog, the connected intrinsically safe equipment must be certified with Entity Parameters. Any intrinsically safe equipment intended for connection to the COMLog2 IS / ISLog must have compatible Entity Parameters and be connected and installed as per the manufacturer's instructions.

## Configuration of COMLog2 IS / ISLog

Wirefree communications is provided via a mobile device app. Communication to the logger to setup/configure the data logger is via a Bluetooth® compatible data link. Use of the configuration app requires an Intrinsically Safe device if used within the safe zone.



### Warnings:

- POTENTIAL ELECTROSTATIC CHARGING HAZARD, DO NOT RUB WITH A DRY CLOTH.
- DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE IS PRESENT.
- DO NOT REPLACE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- THE MOBILE PHONE USED TO CONFIGURE THE **COMLog2 IS / ISLOG** IN THE HAZARDOUS AREA MUST NOT BE CONNECTED TO THE MAINS ELECTRICAL SUPPLY OR ANY OTHER EQUIPMENT THAT IS CONNECTED TO A MAINS SUPPLY DURING CONFIGURATION.



### Warning: Contains Lithium Batteries

If batteries are exposed - do not short circuit, re-charge, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. **Risk of fire or explosion.** These batteries are sealed units which are not hazardous when used according to the recommendations.

**Note:** - The cellular modem fitted has a maximum output of 2W of RF Power.

**Additional information is available in the Basic User guide Part 1/2 (MAN-157-0001) available from the HWM website.**

**If further support or assistance is required, please contact HWM Technical Support on 01633 489479 (option 5) or e-mail [cservice@HWM-Water.com](mailto:cservice@HWM-Water.com)**

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