HWM-WATER LTD

# COMLog2 IS / ISLog Safety Supplement

## MANEX-157-0001

**Dafydd Cadenne**

## Document Control

| Issue | Details | Author | Date |
|---|---|---|---|
| A | Production Release | DRC | 20/02/18 |
| B | 2$^{nd}$ 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 |
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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. |
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## Label drawings and Entity Parameters

### COMLog2 IS / ISLog



Rear Label          Front Label

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

### Battery Pack
### INTBATTPACK/7V2/H95 or
### INTBATTPACK/7V2/H95E

# 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

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⚠️ **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.

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## 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.

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⚠️ **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.

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⚠️ **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.

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**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**

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