

“Fit and forget” for remote monitoring open channels, combined sewer   
overflows, storm drains, storage tank levels, and flood warning systems.



* Highly cost effective and reliable
* Near real time data at low cost
* High Flow, Low Flow and Profile Alarms
* Designed for easy Integration into 3rd Party software applications via Datagate API
* HWM Online web viewing package
* Typical 5 year battery life
* 2 Digital Inputs
* 3G option available
* Range of specialist external antennas available
* Over the air upgrade, ensuring future compatibility without the cost of a site visit
* Over the air programming, including alarms, saves the cost of a site visit
* Accelerated dial in on alarm
* Certified Intrinsically Safe to ATEX (Zone 0) and IECEx standards.

**Key Features**

***Versatile Gas Logger with integral GSM/GPRS telemetry***

**COMLog IS**



***Overview***

COMLog IS provides businesses, asset managers and services providers with a cost-effective way to manage energy consumption, reduce energy costs and cut carbon emissions. With more than one hundred thousand data loggers in operation worldwide, HWM is a market leader in the design, manufacture and supply of GSM/GPRS data logging solutions for smart metering in water, energy and Gas.

***Application***

The COMLog IS is designed specifically to be mounted in close proximity to either a commercial or domestic gas meter (up to and including Zone Zero) but can also be used on any other utility meter that has a pulsed output. The COMLog IS uses accumulative pulse counting technology to calculate index readings against a known volume.

The innovative logger uses the latest integral GPRS technology to provide rapid data transmission at low cost. Low power electronics enable the long battery life to be maintained even with increased transmission rates. The replaceable internal batteries will typically power the device for over five years when data is transmitted every eight hours.

Alternatively, external battery packs enable the five year life to be maintained when transmitting data every 15 minutes. COMLog IS is also supplied with an external antenna connection that enables the use of a range of specialist antennas to address the most extreme low signal level locations.

The robust system is supplied with many features that are unique in the market which provide real benefit to our

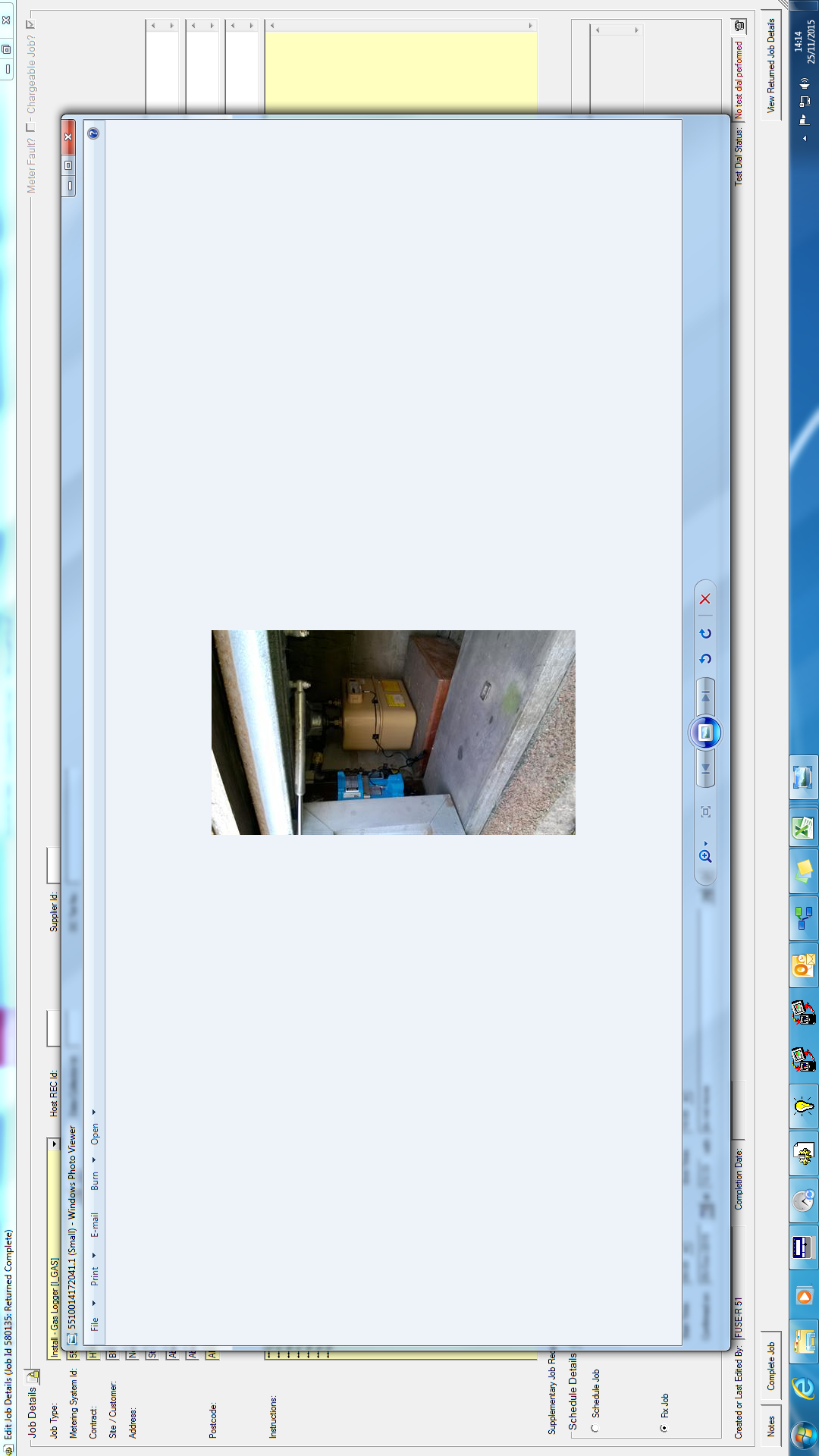
customers. These include: Fast logging (to 1 second) for high- level consumption analysis, a range of comprehensive alarms, automatic default to SMS transmission if GPRS coverage fails and ability to upgrade and programme over-the-air ensuring future compatibility without the cost of a site visit With its tough ABS plastic moulded case, the logger is also fully sealed & submersible to IP68.

***Viewing Data***

COMLog IS is designed to be easily integrated into 3rd party software packages either directly via GPRS to a customer data server, or via API through HWM’s DataGate data transfer and fleet management portal.

**Near Real Time Data at Low Cost**





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| Sensor Input Options | Digital | Up to 4 user configurable pulse/status inputs |
| Contact closure type or other pulse input |
| Up to 128 pulses per second |
| Control output ports | Digital | 2 independent configurable outputs. |
| Logger Features | Rating | ATEX/IEC certified to Zone 0 |
| Memory | Primary recording 2 million readings (larger sizes available on request)  Future proof in field local and remote upgradable software |
| Analogue | Variable sample rate 5s to 24hrs |
| Alarms Logger ID | Multiple Lower/Upper Limit, Min Flow, Rate Of Change, Channel Difference, In/Out of Band alarm types. |
| Clock | On board 24 hour synchronized real time clock with date facility |
| Secondary channel | Can be programmed to record either fast data, average minimum, average maximum or time interval between pulses (for data smoothing) |
| Internal Cellular modem | GPRS to HWM DataGate or customer specific FTP server, multiple messages per day  User replaceable SIM card |
| Quad band modem supplying 850/900/1800/1900MHz bands (3G option) |
| GPRS can send data down to every 5 mins (\*please note this may affect battery life) |
| Dimensions (mm) | Tough ABS plastic enclosure  200H x 97W x 88D |
| Weight | 1kg |
| Operating Temp | -20°C to +60°C (-5°F to +140°F) |
| Ingress protection | IP68 |
| Power | User Replaceable Lithium Thionyl-Chloride battery pack operational for 5 years + under standard operating conditions\*, complete with low battery alarm  External power available with a suitable ATEX certified power source (option) |
| Communication | Internal Cellular modem | GPRS to HWM DataGate or customer specific server. SMS Back Up\*  SMS to HWM DataGate or customer modem. Multiple messages per day.  Quad band modem suitable for 850/900/1800/1900MHz bands. |
| Accelerated Dial In | Dial-in rate is increased if alarm situation is triggered. Logger can accelerate dial-in at alarm level for multiple applications – including SonicSens, Flow, Pressure, and other alarmed sensors. |

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