



Meter Interface Unit IntelliLog (g-Setu)

MIU i.e, the smart AMR-RF & “IntelliLog g-Setu” is a gas meter retrofitting device that uses LoRaWAN/NB-IoT communication and RF walk-by technology to collect the meter reading. It then communicates the gas consumption data to a software platform (HES). Further consumer mobile app can be provided for the consumer to view consumption data on the mobile.



Features :

- ATEX, PESO, WPC and IEC 60079 Certification
- Hybrid RF communication technology (LoRaWAN and RF walk by) maximizes billing revenues.
- Reduced operational cost – no need to generate and distribute bills.
- Ability to read the mechanical index of gas meters and convert the mechanical reading into digital form.
- Accurate and synchronized operation of the device with gas meter.
- NB-IoT Communication Technology (3,8,28) Bands.
- Low battery warning.
- Data storage option available for storing daily logged events.
- Digital LCD with function-specific symbols. Alarms and tamper detection.
- Based on historic gas consumption data, feature to detect gas consumption above or below threshold values.
- Use of RCM compliant Cellular module
- Compatible to Genus 1.2L meter L+G 750 , 2L meter and Elster Gas Meter AL 1000 American Meter C&I gas meter (in Progress)
- Support for LWM2M

Smart functionalities:

- Low power for energy-conserving operations
- Alarm for Magnet tamper, Device Removal, low battery
- HES with yearly, Half-yearly, Quarterly, Monthly data analytics with variance analysis, exception reports
- Data is provided in Common Data Format (CDF) with integration to General Service Platofroms (GSP).



Product Variant:



Gas Meter (L+G 750) With IntelliLog (g-Setu)



Gas Meter (G1.6) With IntelliLog (g-Setu)



IntelliLog(g-Setu) (only MIU device)

Technical Specifications:

Battery	3.6 V
Battery Life	10 years
Communication	LoRaWAN (over the air) Optical communication for configuration and debugging. RF walk-by communication with Hand-Held Device NBLoT Band (3,8,28 For ANZ)
Security	AES 128b
Area Classification	Zone 2, IIB
Tamper and Alarms	External Magnet tamper ,Device removal tamper Low battery alarm ,No communication alarm
Temperature	-20°C to +60°C
Humidity	90%.
Ingress Protection	IP65

*Due to continuous technology upgrade, specifications are subject to change without prior notice.

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