

PIPEMINDER C

HIGH RESOLUTION INSIGHT FOR RISING MAINS



PRODUCT BROCHURE

PIPEMINDER C

PRECISION EVENT TRACKING AND TRACING TO SUPPORT OPTIMISATION



DATA
LOGGING



ADVANCED
INSIGHTS



BURST
REDUCTION

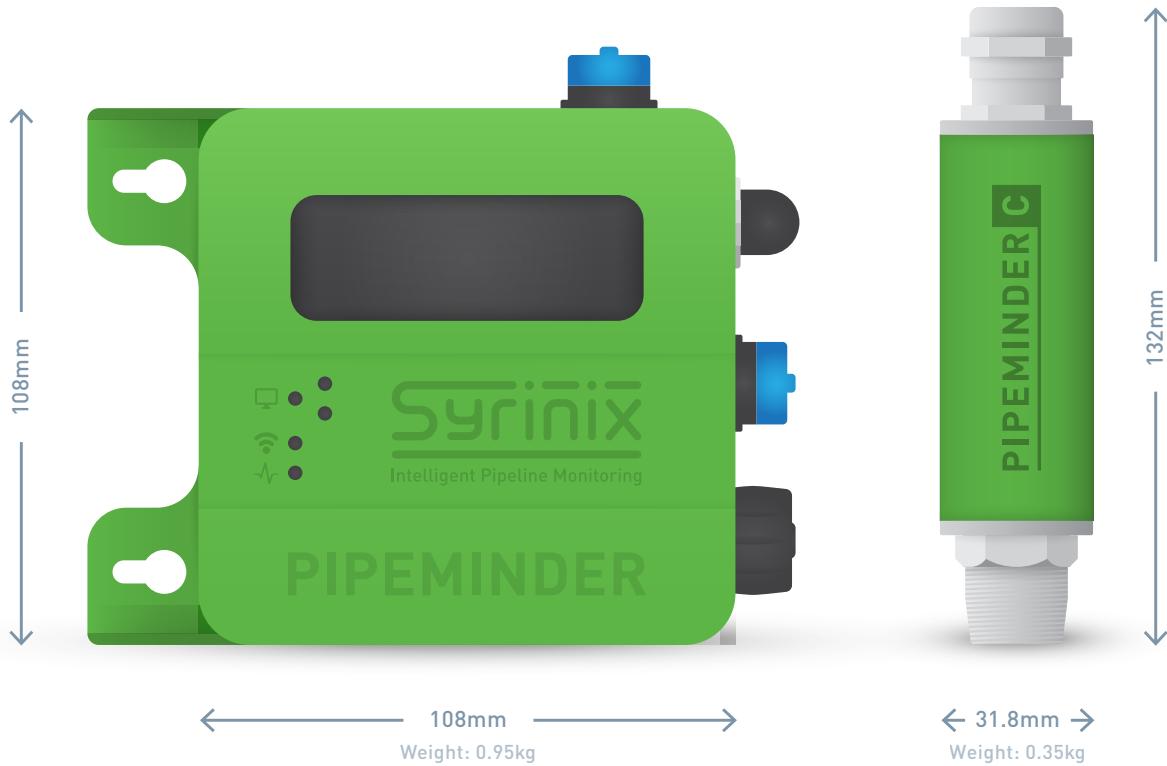
PipeMinder-C, the latest innovation from Syrinix, transforms utilities' insight into events on rising mains.

By providing **24/7 high resolution data** wastewater operators are now able to **identify previously unseen events**, which can and will lead to failures with significant financial, environmental and reputational implications.

Tailored to transform the identification of the **root cause of operational issues** within rising mains, PipeMinder-C delivers data upon which utilities can manage their assets, **pinpointing asset repair** activities making it the key tool for mitigating the risks associated with operating ageing infrastructure.

The battery powered system comprises the latest **3G communications**, encased in a rugged IP68 enclosure with an **external digital pressure sensor** making it the **ideal solution for deployment on rising mains**.

SPECIFICATIONS



Operating Temperatures	-20 °C to +65 °C
Battery	Lithium-thionyl chloride, 14.4V
Flow Meter Specs	Compatible with pulse output flow meters
Antenna Specs	Various external 3G / GPRS available
Certifications	CE, FCC

FEATURES AND BENEFITS

DATA LOGGING

Daily summary data is uploaded for the **maximum, minimum and average pressure** for each 15-minute period in the preceding 24 hours.

With PipeMinder-C each 15-minute window value is calculated from pressure continuously recorded at **128 samples/second**. This highlights the true pressure range exerted on the pipeline over the 15-minute period.

High resolution data can be immediately uploaded to RADAR, the cloud based platform, following the occurrence of an event to provide insight to the utility, enabling it to transform its approach to rising main optimisation. High resolution data is available for 30 days, via the device, allowing **retrospective analysis of network events**.

PRECISION DATA

Each unit contains an integrated **GPS antenna** and receiver which records a fixed position and sets the device time upon deployment.

This **precision time stamping** of high resolution data across multiple devices allows events to be sequenced and traced as they progress along the rising main.

Utilities are now able to optimise their rising mains, understand anomalies and plan mitigations to reduce unnecessary, reactive operational costs.

EVENT ALARMS

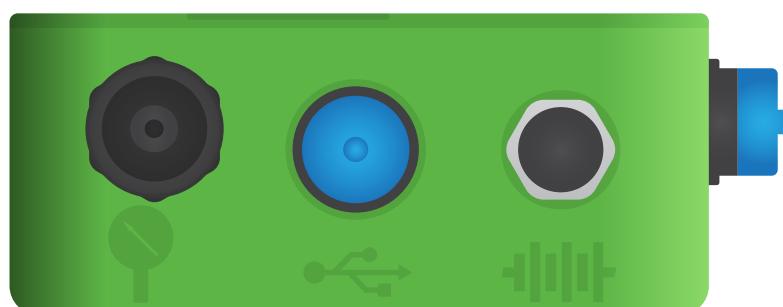
In response to a network event, utilities receive an **immediate notification** from the deployed devices. **High resolution data** is transmitted for the event comprising of before, during and after data sets, allowing operators to review and analyse the event. Early identification of potential failures helps to avoid pollution of the surrounding area.

COMMUNICATION

PipeMinder-C provides two-way communication via **penta band 3G** data technology which enables utilities to **remotely configure** devices, request retrospective high resolution data and perform remote software updates.

DEVICES AND ACCESSORIES

PipeMinder-C is designed for longevity, with easily replaceable batteries, upgrading antenna options and **over the air remote firmware upgrades** ensuring that, once deployed, utilities can leave in-situ.





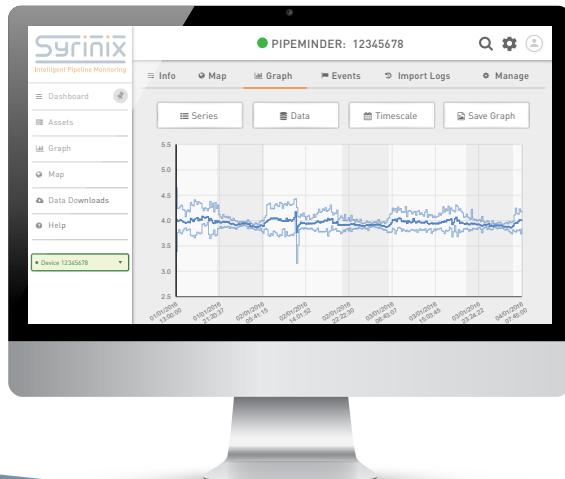
RADAR

THE COMPLETE HIGH RESOLUTION INSIGHT PLATFORM

RADAR, a proven and powerful, secure cloud based platform, providing fully interactive management of all deployed devices.

Accessible from desktop, tablet and mobile devices, RADAR provides utilities with a transformed view of their rising mains.

High resolution data is processed to provide utilities with a user-friendly dashboard which displays aggregated statistical and graphical information from across the monitored assets.



www.syrinix.com

FEATURES AND BENEFITS

RADAR provides remote **configuration, event location, tracking and visualisation**, status alerts and updates as well as advanced, yet easy to use, data analysis tools for plotting and interpretation of the data received.

Syrinx's S3 score is calculated within the device and displayed via RADAR. The S3 score is a graphical representation of the **severity of damaging transients** that stress a network. Large changes which happen quickly or oscillations result in a high S3 score and will be alerted to the user with the event data automatically uploaded to RADAR.

Google Maps allows deployed units to be easily located and viewed within RADAR, utility **GIS data** can be uploaded and overlaid for a clearer understanding of the units' location.

RADAR provides immediate **smart event alerts** via email or SMS, customisable by the user to ensure **immediate notification of a critical event** without overloading the user with non-critical data.

Paired with PipeMinder-C, RADAR gives utilities the clearest and most accurate insight making it the obvious choice to support the monitoring and optimisation of rising mains.

Find out how PIPEMINDER-C can transform the way you manage your wastewater pipelines today

Visit **syrinix.com** for more details or
call us on +44 1953 859 128

About Syrinix

For over 12 years Syrinix has been leading the way in intelligent pipeline monitoring.

Syrinx's suite of innovative PipeMinder solutions covers both water and waste water pipelines.

By combining high resolution data with automated analysis and alerts, global utilities are now able to increase the resilience of their networks, including reducing leakage and bursts and extending asset lifetimes, all whilst lowering operating costs.

www.syrinix.com

