



# UDlive Pixel II

## Versatile and Low-Cost with Integrated and External Options

Remote  
Reliable  
Relevant



Looking for a reliable and accurate water level sensor for sewers, flood or water levels? Look no further than the Pixel II! This state-of-the-art sensor is the successor to the original Pixel water level sensor and boasts a range of improvements that make it better than ever.

With more accurate and reliable readings, narrow beam, exceptional range, lower power, new types of connectivity, and easy installation, the Pixel II is the perfect solution. With the option for an external level sensor, you can be sure the Pixel II will fit your needs.



UTILITIES



RAILWAYS



PUBLIC SECTOR



RESIDENTIAL



INDUSTRIAL


### Why Pixel II?


- Versatile and easy to install anywhere
- Readings unaffected by moisture and minor obstructions
- Readings **accurate to 1.7mm** over full range with **6 degree** beam
- No dead zone. Wet and dry measurement from **0 to 14+ metres**

### Low lifetime cost


- Easy to install, typically in under **10 mins**
- Fully remote calibration, updates, and customisation
- **8 year battery** life (subject to usage of device)
- Excellent performance in low signal areas with many antenna options.


### GET IN TOUCH


 Uses cellular (2G, GPRS), and low power cellular (4G, NB-IoT, CAT-M1) comms with all UK networks, so no requirement for additional comms infrastructure


 Intuitive online portal maps all your devices. Shows changes in level and accompanying diagnostics to verify the reliability of the data

 Data is fully encrypted at source, not only complying with current data security guidelines, but future-proofing against more onerous requirements

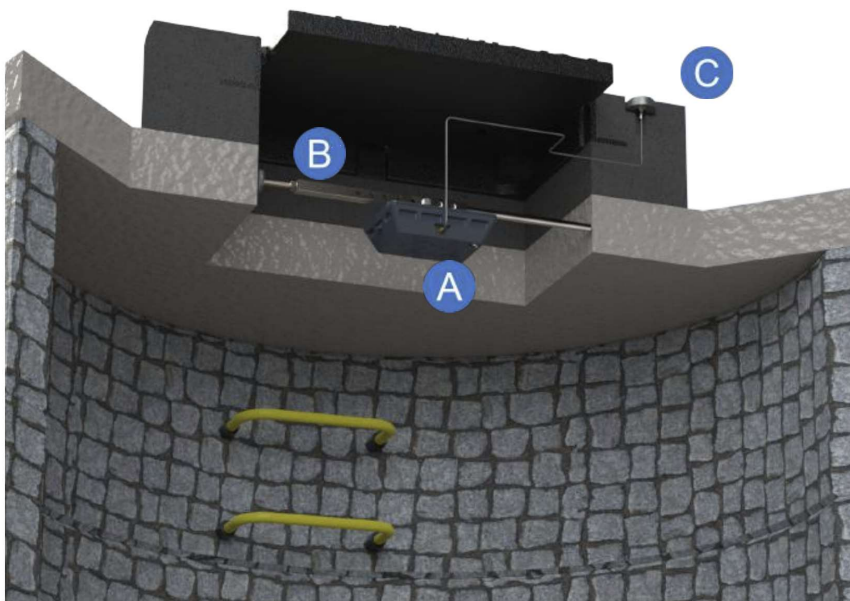
 Azure & AWS supported, so data can be fed directly into other asset management or modelling systems if required

 Movement sensor alerts when device is moved. Useful for both safety, and confirmation that scheduled activity has been performed

 Temperature sensor included. Expansion capability (e.g. gas) also available

 CSOs, network alerts, culverts, pumping stations, open-channel flow, river-level monitoring

## How it works



- A** Easy-Fit long life sensor unit
- B** Multi-Fit sensor mount bracket
- C** Optional external antenna unit
- D** User friendly online portal

## Specification

Category	Details
<b>Sensors</b>	Pixel RADAR Accelerometer, MEMS + Wake Thermocouple 0.5°C accuracy  BLE Controller  Ask for more
<b>Power</b>	7+ year lifetime OTA power plans End of life monitoring 30uA sleep consumption
<b>Battery</b>	Hi grade Li-SoCl2 battery Field replaceable
<b>Environmental</b>	IP68 Encapsulation -20°C to + 70°C Accurate from 5cm - 5m depth ATEX Zone 2
<b>Connectivity</b>	NB-IoT CAT-M1 2G and GPRS Low power Wi-Fi  Readings & transmissions available at 5-minute intervals

<b>Security</b>	AES256 encrypted bootloader Digital signing of verified code TLS 1.2 End to End encryption
<b>Other</b>	FOTA Updates with delta RFID ID tag included Ultra-low power micro Large internal memory Multi-protocol expansion port

## Data and Platforms

Available Options	Details
<b>Platforms</b>	Microsoft Azure AWS PTC Thingworx  Ask for others
<b>Interfaces</b>	UD Live Portal UD Live API Confirm®  Custom Integrations

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