



# Smarterwater® WW Manhole Sensor

Technical Guide S1.3

The Hynds Smarter WW Manhole Sensor allows for intelligent monitoring of wastewater networks.



## Application

Wastewater manhole levels  
 Surcharge and combined sewer overflow alarms  
 Anti-tampering notifications  
 Pipe blockage  
 Infiltration  
 Capacity  
 Flood warning

## Approvals/Standards

LPWAN connectivity  
 Patent pending  
 Intrinsically safe - IEC Ex certified

## Product Attributes

Non-contact radar technology for increased accuracy and reliability  
 Battery operated  
 Seamless integration with user systems  
 No confined space installation requirements  
 Compatible with a wide range of covers  
 Will not interfere with manhole use

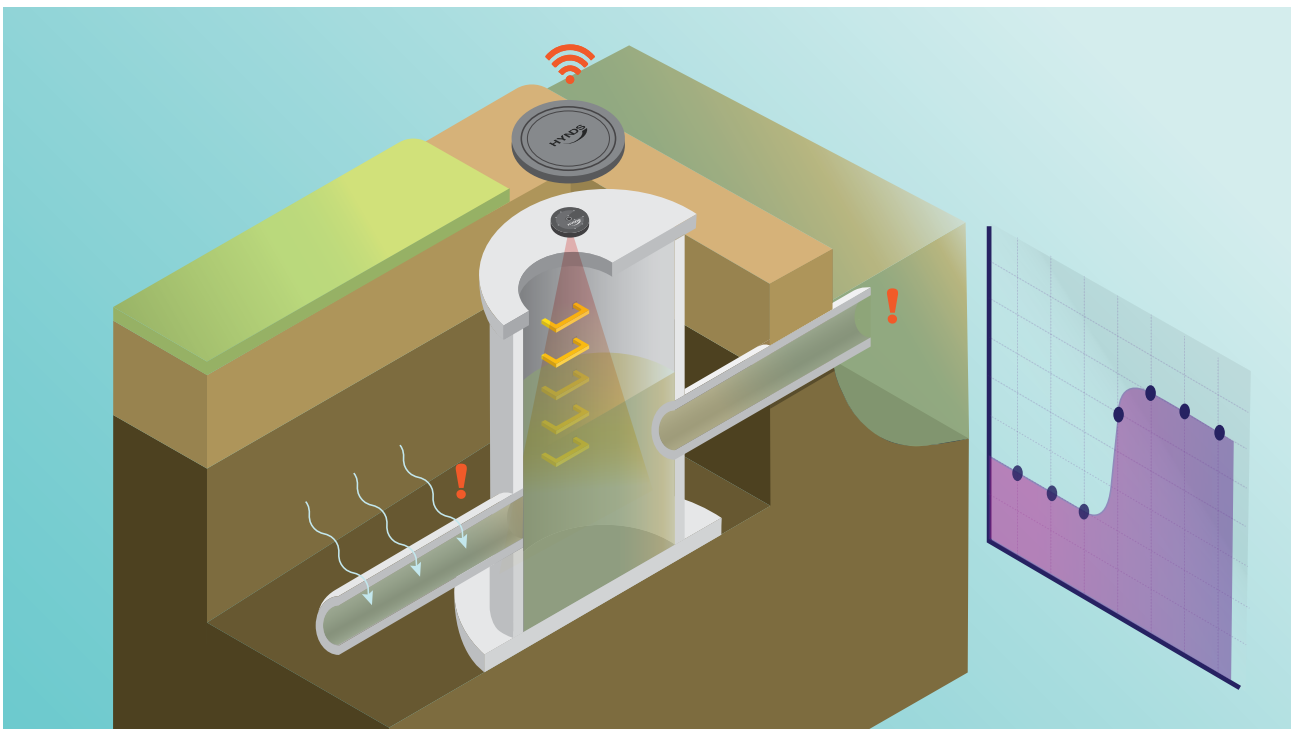
The Hynds Smarter WW Manhole Sensor Ex allows for data to be collected through a sensor that is secured to the bottom of the cast iron/ductile iron access cover.

The external heavy-duty antenna transmits the signal via a secure network to the Hynds Data Platform or any platform of your preference. No brackets, no confined entry, no expensive installation or setup costs. You can now monitor

and control undesired overflows, analyse trends, and have peace of mind that our real-time alarm can trigger in case of unauthorised entry to the manhole.

Water depth detection technology	Radar
Water depth measurement range	5500mm
Water depth accuracy	+/- 0.25%
Alarm of lid opening	Real-time
Communication	Sigfox
Power supply	Li-SOCI2
Battery life	3 - 10 years*
Operating temperature	-15° C to +65° C
Operating humidity	5% to 95%

\*depending on frequency of readings



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**Disclaimer:** While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.