



Smarterwater[®] SW Manhole Sensor

Technical Guide S1.2

The Hynds Smarter SW Manhole Sensor allows for intelligent monitoring of stormwater gravity networks.



Application

Surcharge and combined sewer overflow alarms

Anti-tampering notifications

Pipe blockage

Infiltration

Capacity

Flood warning

Approvals/Standards

LPWAN connectivity

Patent pending

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

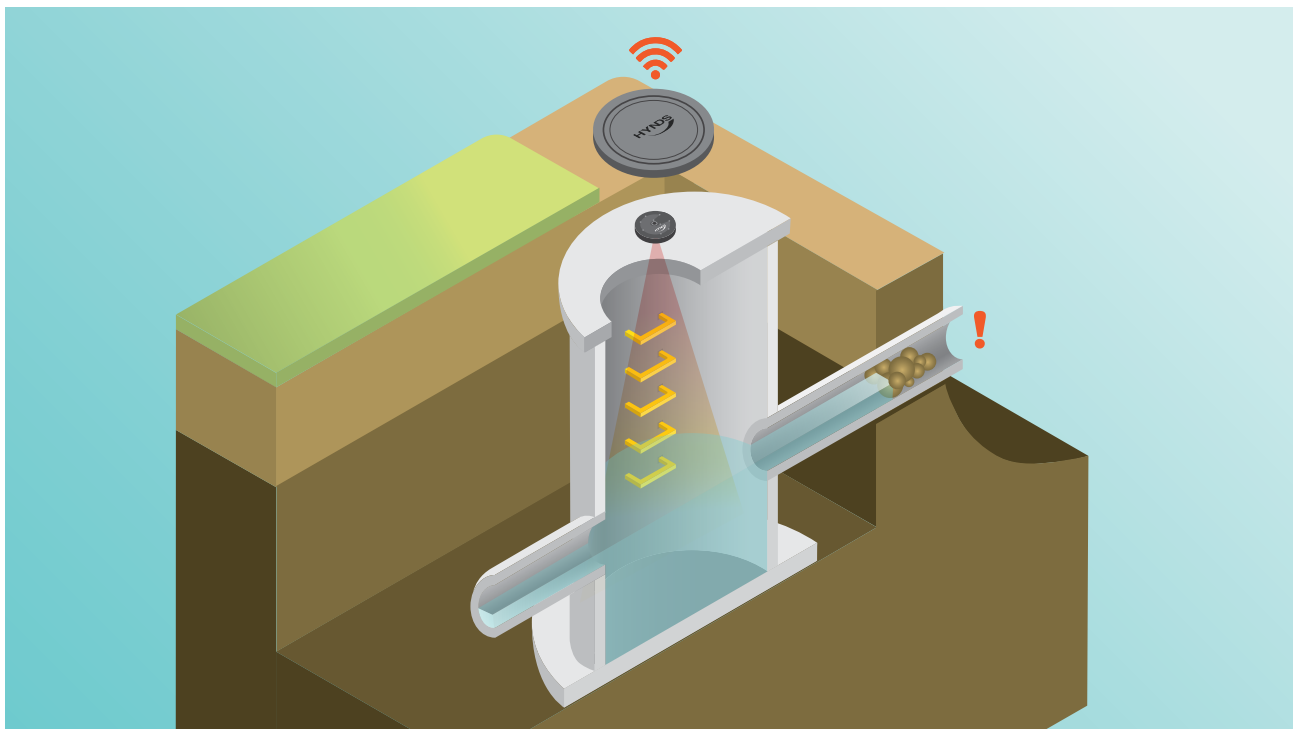
The Hynds Smarter SW Manhole Sensor allows for data to be collected through a sensor that is secured to the bottom of the cast iron/ductile iron access cover.

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 near real-time alarm will 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.