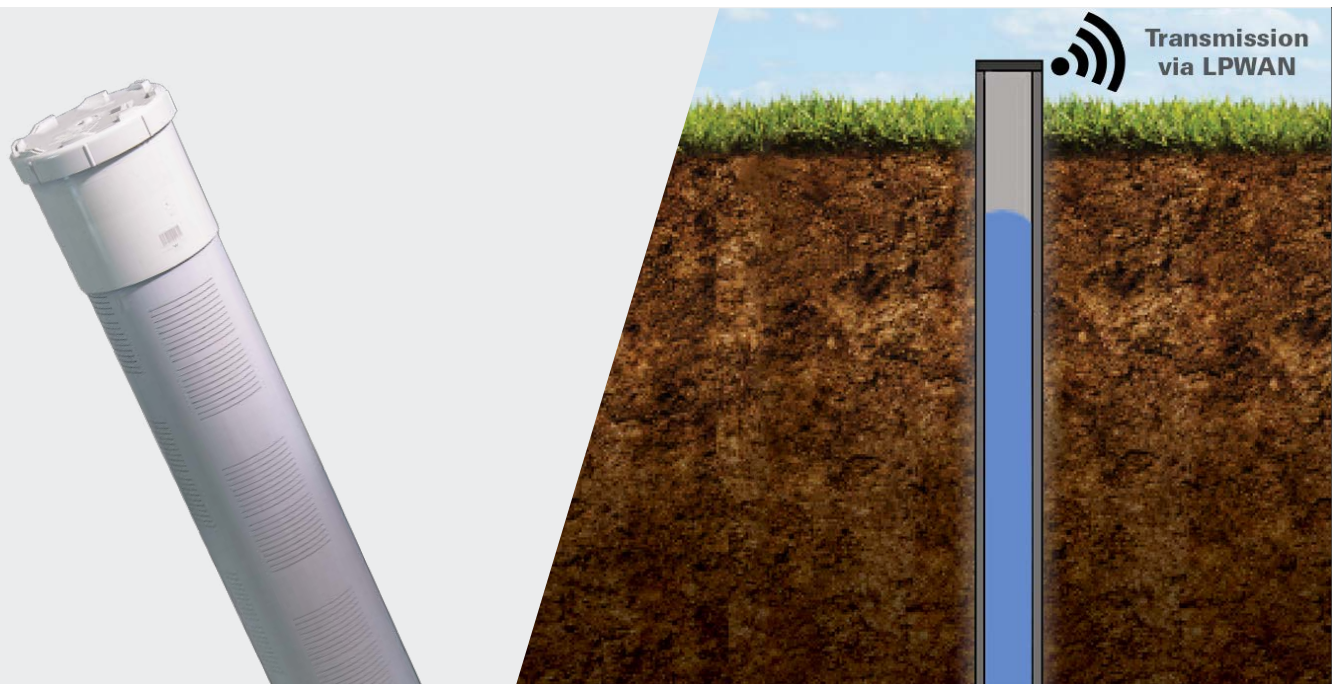




Smarterwater[®] IoT Groundwater Monitor

Technical Guide S4.2

The Hynds Smarter shallow groundwater monitoring system provides intelligent soil saturation monitoring.



05.23 | SMARTERWATER | S4.2 SMARTERWATER[®] IoT GROUND WATER MONITOR

Application

Water source groundwater infiltration from oceans and rivers

Rainfall ground saturation

Input to soil stability

Product Attributes

Non-contact radar technology for increased accuracy to $\pm 1\%$

Increased repeatability to $\pm 0.5\%$

Battery operated with long life, greater than four years

Package arrives complete for install

Simple set up

LPWAN IoT technology

Approvals/Standards

LPWAN Connectivity

The Hynds Smarter Groundwater Monitoring system provides easy place and connect deployment technology for enhanced reliability and accuracy of shallow ground water monitoring.

The stilling well or tube arrives in a standard length, with geotextile outer sock and Smarter Sensor to allow easy installation. Simply drill to the desired depth, install the stilling well and turn on the sensor. Once scanned and enrolled, the sensor will now provide level measurements in near real time from every 15 minutes to once a day.

With high accuracy and repeatability, the level measurements enable soil saturation management, sea water, and river system infiltration data to be collected; instabilities in surrounding saturated soils can then be managed.

Product Attributes

Principal element	Radar
Maximum Depth	4 meters
Accuracy	± 0.5%
Repeatability	± 0.15%
Communications	Sigfox, LPWAN
Power Supply	Li-SOCI2
Battery Life	3-10 years*
Operating Temp	-15 C to 65 C
Operating Humidity	5% to 95% relative

*depending of transmission cadence

Branches Nationwide Support Office & Technical Services 0800 93 7473

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.