

Sentek BILBY®

Underground | Out-of-sight | Connective

The Sentek BILBY® DTU is a telemetry unit that works underground, connecting to a Sentek Drill & Drop™ probe via the SDI-12 protocol. Data is transmitted to a Gateway via underground wireless technology, then uploaded to the cloud via a Wi-Fi, Ethernet or Cellular connection.

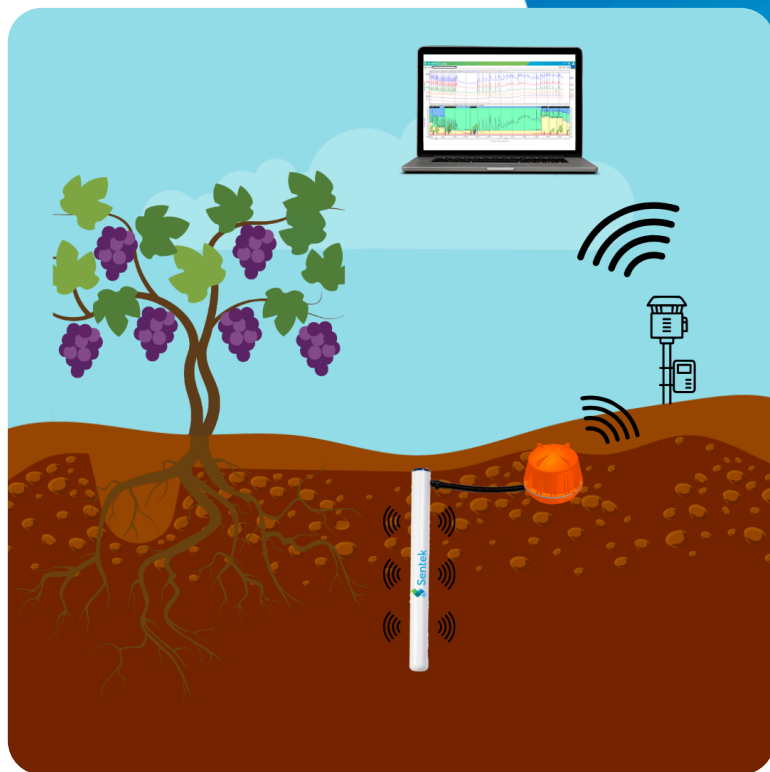
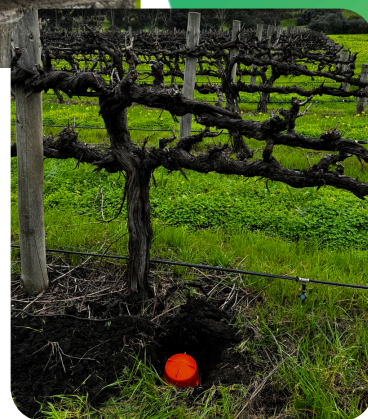
The multi-functionality and reliability of the BILBY® when paired with the Sentek Drill & Drop™ is an ideal combination for many users looking for a wholly underground solution.

Features

- Underground telemetry solution
- Long-life battery
- Connects to a Sentek probe via SDI-12
- Data is transmitted via underground wireless technology to a Gateway up to 150 m away

The development of this technology was supported by the Cooperative Research Centre for High Performance Soils, whose activities were funded by the Australian Government's Cooperative Research Centres Program.





Specifications

Probe Supported	Sentek SDI-12 Drill & Drop™ (10 cm, 30 cm, 60 cm, 90 cm, 120 cm, 150 cm)
Battery	<ul style="list-style-type: none"> • Replaceable D Cell Li-Ion Primary Cell Battery with Supercap and connector • Magnetic switch to enable device without opening • 8+ year battery life
Operating Temperature	-20 °C to +60 °C
Bluetooth® Connectivity	Using BILBY® Connect App on Android or iOS within 5 m (above ground)
Gateway	Compatible with Milesight SG50
Wireless Connectivity	<ul style="list-style-type: none"> • Using ground penetrating spread spectrum technology on the 915MHz ISM band • Operation distance up to 150 m from the Gateway when buried 30 cm below ground within dense canopy
Installation	Installed sub-surface using a 200 mm post hole digger with probe installed adjacent at the desired depth
Weight	850 g (including battery)
Dimensions	154 mm tall by 185 mm diameter

