YieldPoint *Sensing the future*

BluLink

The BluLink is available in two packages:

(i) A cylindrical brick (top) with an internal lithium battery source. Battery life 2 years with 1 new reading/hour.

(ii) A package with 2 x D cell lithium batteries replaceable(bottom) : Battery life 4 years with 1 reading/hour. **IMPORTANT: Use only 3.6V primary LITHIUM batteries. Do not use rechargeable batteries.** The unit is packaged in an IP68 enclosure.

Features:

- Low cost Bluetooth 5 radio modem for any YP digital instrument
- Bluetooth 5 Coded PHY for LOS range
- Datalogger storage of 30,000 readings.
- Real time clock with Supercap while un powered
- Bluetooth 5 beaconing with current reading broadcast every 5s.
- Two packaging options
- 2 year+ battery life using lithium batteries
- Fully waterproof (better than IP 68)
- Operation with android devices using BluPoint App.

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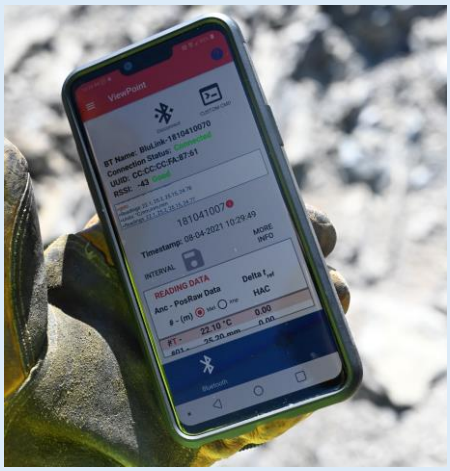
BluLink

Technology

The BluLink provides both BluPoint wireless functionality and data-logging (30,000 readings) for any YP digital instrument. It is an economical solution for creating either a standalone data-logger that can be downloaded using any android device, or a wireless sensor network. The hardware costs of creating a Bluetooth 5 wireless solution will typically be comparable or less than a wired solution by reducing costs related to (i) leadwire and (ii) multiple wired data-loggers. BluLink runs off internal lithium batteries which will last longer than two years when set to 1 reading/hour.



The BluLink enables instruments to be managed by an Android device using the BluPoint App. The ViewPoint activity allows the Android device to act like a manual readout unit. The LogPoint activity configures and operates the data-logging functionality of the BluLink. The BluLink 'beacons' its readings every 5 seconds to any Gateway or Logger device with 100m range.
The cylinder block BluLink package has been demonstrated to operate under 1.50m of water for >1month.

Data Management

BluPoint for Android

The BluPoint App, available at the Play Store transforms a Smart phone or tablet into a geotechnical data management tool.

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BluGateways: WiFi and LTE-M

Data back haul to the cloud or an on-site server involves a BluGateway with either (i) a WiFi modem (ii) an LTE-M modem or (iii) a Min Sat modem. All models are battery powered typically with a 2 year battery life (1 reading/hour)

The AccessPoint activity, part of the BluPoint App, is used to configure the Gateway.

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