

BluLink Module



In many mines, running electric lead wires for geotechnical instruments is a problem. Running and protecting lead wires is very time consuming and expensive. Damaged is frequent, data is received intermittently, repairs are difficult and expensive.

YieldPoint's BluLink line is a suite of BlueTooth 5.0 enabled devices for low-power data transmission and data logging.

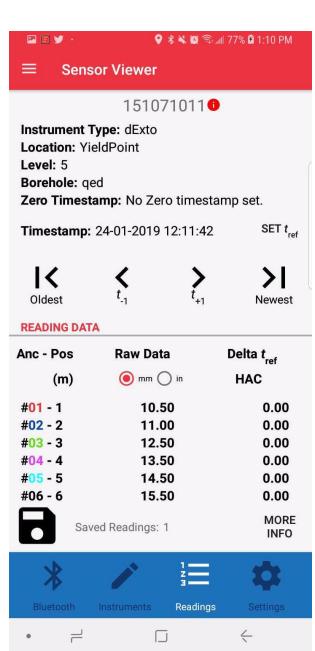
The battery operated BluLink device connects to any YieldPoint instrument and turns it instantly into a geotechnical BlueTooth instrument. It can be installed fully recessed in a stub borehole right beside the instrument borehole. This allows for a very protected setup with virtually no exposed lead wires.

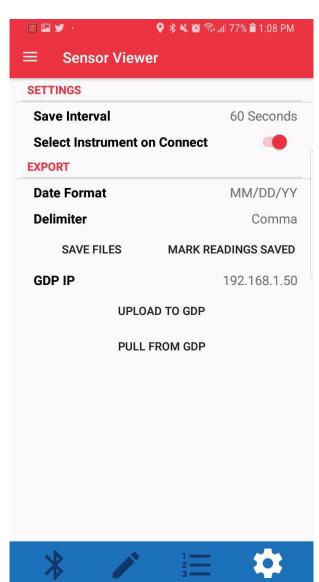
The BluLink device contains its own set of 4 or 8 D-cell batteries. The cylindrical stainless steel body allows for installation into a 2"/50mm stub borehole. The unit is protected and invisible. It can also use a polycarbonate enclosure with mounting tabs.

The BluLink logger is a small polycarbonate enclosure with mounting tabs and contains it own set of D-cell batteries. It is placed somewhere in the excavation where it will be within range (40m to 50m) of the largest possible number of instruments.

- YieldPoint BluLink device.
 - Range: 50 meters (160ft)
 - 4 x AA batteries
 - polls instrument and sends geotechnical data to any Android BlueTooth device
 - 2 form factors: small square enclosure with mounting tabs or small stainless steel cylinder to installs in any 2" (50mm) diameter stub borehole
- BluLink logger
 - 4 x C-cell batteries automatically meshes with existing BluLink devices
 - records readings from all instruments within range
 - data download via YieldPoint app on Android phone or tablet
 - logger can be networked for real time data download to Geotechnical Data Platform
- ▲ geotechnical data to any Android BlueTooth device
- ▲ Can be indefinitely re-used with various YP instruments
- ▲ No manual configuration upon installation
- ▲ 1"/25mm antenna
- ▲ Easy to install and maintain
- ▲ Delivered fully assembled.

Applications	Product Specifications
▲ Geotechnical monitoring	▲ Communications: BlueTooth 4.2 to 5.0
When zero profile from wall is needed	▲ Installation in 2"/50mm stub borehole
Works with old and new YieldPoint digital instruments: extensometers, crackmeters, instrumented cables	Or on any rock, lumber or metal surface
and bolts, tiltmeters, sloughmeters, thermistor strings, piezometersMonitoring in permanent infrastructure	▲ Power: 4 x AA for BluLink device
Monitoring in development areas	4 D-cell batteries for BluLink logger
Monitoring in shaftsEliminates all need for lead wires from	Replaceable batteries option available
or to instruments and loggers	▲ 45mm diameter, 200mm length
BlueTooth Data Logger	▲ Weight: 0.5bs- 250gr
	▲ Completely wireless
	▲ Connects to any existing YieldPoint
	instrument
	▲ Target Battery Life: 1 reading per hour for 1 year





Settings

