

CellPoint

Data Logging & Monitoring

THE PRODUCT

The **CellPoint** device, is part of SpeedRead's series of cellular **CellPoint** devices for event monitoring and data logging. The device is designed for dual purpose:

- Data logging
- Event monitoring

The analog sensor output is logged by the CellPoint device once an hour (programmable up to 15-minute interval). The sensor data is stored in the device and once a day (or at other intervals) the device transfers the sensor reading log to the web server for analysis and archiving. Event monitoring is based on 5-minute sampling of the sensor to detect extreme conditions (high or low).

The device provides two pre-defined threshold alerts for over-, and under-pressure events. The events are sent as notifications to the user via the DataSense web portal. Once an event is detected, the device dynamically samples the sensor every minute, and if the condition prevails for more than 2 minutes, the device sends an alarm message to the DataSense web portal.

The device is designed to meet extreme outdoor ambient conditions and may be deployed also indoors and in underground applications.

APPLICATION

The **CellPoint** device offers a flexible datalogging and monitoring solution for a wide variety of use cases such as fluid pressure monitoring, temperature data logging, level sensors, as well as other analog sensors. The **CellPoint** device provides the power supply that feeds the sensor. SpeedRead is capable of providing tailored solutions for a diverse variety of analog sensors. Please contact us with your specific needs.

Analog Sensor Monitoring

Model: CellPoint



FEATURES

- Supports wide range of analog sensors
- Optional support of two analog sensors
- User defined alerts (dual High and dual Low)
- Long battery life of 3-5 years (replaceable battery)
- IP68 rating
- Integrated (embedded) antenna
- Optional external antenna for improved coverage
- Easy to configure via technician Android application
- DataSense web portal provides the user with various reports

Parameter	Specification
Dimensions	
L 254mm x H 75mm x W 85mm (10" x 3" 3.5")	
Technical	
Device Operating voltage	3.65 VDC - internal battery (replaceable)
Communications Technology	LTE 4G (CAT-M / NB-IoT / 2G)
Antenna	Printed internal antenna (embedded) External antenna optional (for improved coverage)
Environmental	
IP Rating	IP68
Storage temperature range	-40°C to +60°C (-40°F to +140°F)
Operating temperature range	-30°C to +60°C (-22°F to +140°F)
Sensor Input	
0.5 - 2.5 Volt (default model)	
0 - 10 Volt (optional)	
4 - 20 mA (optional)	